

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

1.96
R31Fsmo
Cp. 2

WATER SUPPLY OUTLOOK FOR MONTANA



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

MONTANA AGRICULTURAL EXPERIMENT STATION

**SNOW COURSE AND SNOW PILLOW
BASIC DATA SUMMARY
1978 WATER YEAR**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

WATER SUPPLY OUTLOOK FOR MONTANA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

SNOW COURSE AND SNOW PILLOW BASIC DATA SUMMARY 1978 WATER YEAR

Issued by

R.M. DAVIS

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

=====

Released by

VAN K. HADERLIE

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
Bozeman, Montana

In Cooperation with

J. A. ASLESON

DIRECTOR
Montana Agricultural Experiment Station

=====

Report prepared by

PHILLIP E. FARNES, Snow Survey Supervisor
DONALD J. HUFFMAN, Hydrologist
GERALD A. BEARD, Civil Engineer
CINDY L. JONES, Clerk/steno

SOIL CONSERVATION SERVICE
P.O. Box 98
Bozeman, Montana 59715

SNOW COURSE

DATA...

SNOW COURSE ELEVATION (feet)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content
ABUNDANCE LAKE 8800							3/02	70	22.4	3/28	59	23.8	4/29	60	25.4			
AMBROSE 6480							2/23	40	12.8	3/31	28	12.0	4/27	20	9.5			
ARCH FALLS 7350	12/28	26	6.5	1/30	41	9.4	2/27	43	11.9	3/29	37	12.9	4/27	33	13.2	5/31	28	11.0
7350													5/16	26	11.2			
RAUDGER PASS 6900	12/26	82	27.0A	2/04	101	35.0A	2/25	85	34.3	4/03	76	34.7	5/03	74	38.9	5/30	90	37.8
6900													5/18	76	38.8			
BALD EAGLE PEAK 5700							2/23	127	48.3	3/30	113	52.1	4/27	117	54.1	5/31	84	43.4
5700													5/16	101	49.6			
BALD RIUGE 7500							2/23	48	14.2	3/29	38	14.9	4/28	28	12.8			
RANFIELD MOUNTAIN 5600				1/25	54	17.2	2/24	50	18.7	3/31	38	18.6	4/27	34	18.6	5/30	8	4.4
5600													5/15	22	12.4			
BARRE CREEK 5500							2/28	103	38.8	3/29	83	40.6	5/01	71	37.8			
5500													5/16	61	33.9			
BARRE MIDWAY 4600							2/28	90	31.9	3/29	70	30.6	5/01	43	20.8			
4600													5/16	28	14.8			
BARRE TRAIL 3800							2/28	35	11.0	3/29	15	5.8	5/01	0	.0			
3800													5/16	0	.0			
RASIN CREEK 7180	12/29	19	2.9	1/27	23	3.8	2/27	30	5.8	3/29	26	5.7	4/27	20	5.9	5/30	7	2.4
7180													5/15	14	4.4			
RASSOC PEAK 5150							3/01	41	12.4	3/30	20	8.6	4/26	7	2.9			
BATTLE RIDGE 6020	12/29	24	7.3	1/31	39	10.9	2/28	39	12.8	3/30	18	7.7	4/26	0	.0	6/01	0	.0
6020													5/15	0	.0			
BEAGLE SPRINGS 8850							3/05	34	8.8	3/26	30	8.7	4/28	29	10.2			
BEAR BASIN 8150							3/01	75	26.1	3/28	64	25.9	4/25	63	28.9			
BEAR PAW SKI AREA 5200	12/29	25	6.0	1/24	33	8.9	2/23	39	11.2	3/28	30	10.2	4/28	22	8.8			
REAVER LAKE 5900							2/25	61	22.0	4/03	47	21.5	5/03	40	19.3			
PERRY MEADOW 7000							2/24	33	8.3	3/27	28	9.2						
BIG COULEE 5100	12/28	16	3.7	2/03	37	9.0	2/22	36	9.9				4/28	0	.0	5/25	0	.0
BIG CREEK 6750							2/28	127	45.5	3/29	112	49.7	4/26	118	57.7	6/02	107	58.2

SNOW COURSE ELEVATION (feet)	JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE			
	date	(inches)		water content	date	(inches)		water content	date	(inches)		water content	date	(inches)		water content	date	(inches)		water content	date	(inches)		water content
		snow depth	water content			snow depth	water content			snow depth	water content			snow depth	water content			snow depth	water content			snow depth	water content	
RIG SKY 7700	1/02	30	7.4		1/31	50	12.7		2/28	61	17.7		4/01	42	17.6		4/25	43	19.5		5/29	10	4.5	
RIG SKY MEADOW 6350									3/01	42	9.8		3/28	28	10.2		4/25	4	1.6					
RIG SNOWY 7150									2/24	78	27.8		3/24	75	28.6		5/02	66	30.5					
BLACK BEAR 7950	12/29	68	21.4		1/27	103	33.4		2/24	112	42.1		3/27	106	44.6		4/25	101	49.6		6/01	0	36.0	
7950																	5/15	0	49.5					
BLACK MOUNTAIN 7750									3/06	56	15.5		4/04	41	15.6		4/26	42	17.4					
BLACK PINE 7100	12/29	32	9.7		1/30	40	12.4		3/01	48	14.7		3/29	37	14.0		4/28	30	12.5		5/30	12	5.4	
7100																	5/15	21	10.4					
BLOODY DICK 7600									3/01	49	15.3		3/30	38	15.2		4/27	30	13.6					
BLUE LAKE 5900	12/26	52	13.5A		2/04	70	20.5A		2/25	57	20.8		4/03	50	23.0		5/03	39	19.6		5/30	32	11.6	
5900																	5/18	34	17.6					
ROTS SOTS 8000									2/25	28	5.2		4/01	16	5.3		4/28	4	1.3					
8000																	5/15	13	4.8					
BOULDER MOUNTAIN 7950									2/21	65	22.1		3/28	62	24.2		4/26	63	27.2					
BOX CANYON 6670									2/27	45	13.2		3/31	33	12.7		5/01	14	6.2					
ROXELDER CREEK 5100					1/26	44	10.5										4/28	0	.0					
BRANHAM LAKES 8850									2/27	86	30.2		3/30	73	32.0		5/01	77	35.6					
BRIDGER BOWL 7250	12/29	56	17.5		1/31	84	25.8		2/28	87	31.2		3/30	72	32.0		4/26	75	36.4		5/31	54	26.8	
7250																	5/15	63	32.0					
PRISTOW CREEK 3900					1/25	38	10.1		2/24	33	11.2		3/31	14	5.9		4/27	0	.0		5/30	0	.0	
3900																	5/15	0	.0					
BRUSH CREEK TIMPER 5000									2/27	34	11.0		3/29	23	8.8		4/26	10	4.1					
BULL MOUNTAIN 6600	1/05	19	4.2		1/31	22	4.1		2/28	30	5.0		3/30	10	3.9		4/28	0	.0					
CABIN CREEK 5200					2/26	36	9.2		2/26	36	9.2		4/01	20	6.2		4/27	9	3.0					
CALL ROAD 8050					2/28	50	12.6		2/28	50	12.6		3/26	41	13.6		4/28	39	14.4					
CALVERT CREEK 6450					3/02	49	14.9		3/02	49	14.9		3/31	40	14.5		4/27	23	11.5		6/01	0	.0	
CAMP MISERY 6400					2/24	118	48.4		2/24	118	48.4		3/28	118	51.4		4/28	131	56.8		6/01	116	52.6	
6400																	5/17	118	60.4					

SNOW COURSE ELEVATION (feet)	JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE			
	date		(inches) snow depth		water content		date	(inches) snow depth		water content		date	(inches) snow depth		water content		date	(inches) snow depth		water content				
CAMP SENIA 7890 7890																								
CARROT BASIN 9000 9000	12/28	62	18.0	1/31	80	27.6	2/28	96	35.0	3/30	81	36.0	4/01	18	4.9	4/29	17	4.9	5/15	29	9.3			
CARTER CREEK 7400				1/28	13	2.4	3/01	12	2.6	4/02	14	3.4												
CEDAR GROVE 4100 4100				1/26	35	10.4	2/23	38	13.0	3/31	28	11.7				4/27	10	5.4	5/16	0	.0	5/31	0	.0
CHESSMAN RESERVOIR 6200 1/03				1/30	19	4.6	2/25	22	5.5	3/29	11	3.4				4/27	0	.0						
CHICKEN CREEK 4060				1/19	46	12.8	2/22	46	15.6	3/28	29	13.0				4/27	5	2.6						
CLOVER MEADOW 8600				2/28	63	17.6	3/26	53	18.8							4/28	51	20.6						
COLE CREEK 7850 7850	12/27	24	5.1	1/30	54	7.4	2/28	41	10.0	3/30	38	10.8				4/28	31	9.2	5/16	41	15.8	6/02	47	18.4
COLLEY CREEK 6300				2/24	38	10.1	4/04	26	9.6							4/28	0	.0						
COMBINATION 5600 5600	12/29	12	3.0	1/30	20	4.5	3/01	28	5.9	3/29	18	5.2				4/28	0	.0	5/15	0	.0	5/30	0	.0
COOKE STATION 8150 8150	12/27	59	15.8	1/27	72	21.4	2/28	84	27.0	3/31	65	27.6				4/28	60	27.9	5/11	62	28.3	5/30	41	22.1
COPPER BOTTOM 5200 5200	12/16	22	8.3	3/02	42	11.3				3/31	21	7.4				4/25	4	1.6	5/15	0	.0	6/01	0	.0
COPPER CAMP 6950 6950				3/02	83	30.4				3/31	66	29.8				4/25	65	32.1	5/15	0	30.0	6/01	0	2.4
COPPER CREEK 5700				3/02	50	14.9				3/31	29	10.9				4/25	19	7.9						
COPPER LAKE CREEK 6100				3/02	74	25.2				3/31	52	23.0				4/25	51	24.9						
COPPER MOUNTAIN 7700 7700				1/30	33	9.0	2/28	44	11.7	3/30	30	10.8				4/28	27	11.3	5/15	16	6.9			
COTTONWOOD CREEK 6400				3/07	32	8.0				4/03	23	7.0				4/26	20	7.0						
COYOTE HILL 4200 1/03				2/01	44	11.2	3/01	40	12.7	3/29	23	9.3				4/26	1	.3						
CREVICE MOUNTAIN 8400				2/27	56	13.3				3/30	44	15.5												
CRYSTAL LAKE 6100				2/24	57	17.4				3/24	48	17.7				5/02	23	11.1						

SNOW COURSE ELEVATION (feet)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
	date	snow depth	water content	date	snow depth	water content	date	snow depth	water content	date	snow depth	water content	date	snow depth	water content	date	snow depth	water content
DAD CREEK LAKE 8400							3/03	41	11.4	3/26	39	12.1	4/28	40	13.6			
DAISY PEAK 7600							2/28	48	12.9	3/30	36	14.0	4/28	22	9.9			
DALY CREEK 5780	12/27	26	6.8	1/30	34	9.2	2/24	36	11.2	3/28	31	10.1	4/25	25	10.3			
DARKHORSE LAKE 8600							3/02	85	31.1	3/28	80	32.5	4/29	77	32.2			
DAVIS CREEK 5400				1/24	63	20.5	2/21	60	22.5	3/28	49	22.5	4/25	44	21.7	5/30	0	.0
5400													5/15	22	11.8			
DEADMAN CREEK 6450	12/27	33	8.2	1/31	47	12.6	2/24	48	15.6	3/30	36	15.6	4/27	22	10.6	6/01	0	.0
6450													5/12	10	5.1			
DESERT MOUNTAIN 5600	12/23	35	8.1	2/01	48	12.2	3/01	44	15.0	3/30	33	13.1	4/27	27	12.3			
DEVILS SLIDE 8100	12/28	46	12.5	1/30	60	17.9	2/27	68	21.3	3/29	64	23.8	4/27	65	27.4	5/31	69	30.2
8100													5/16	63	27.4			
DISCOVERY BASIN 7050	12/27	23	5.6	1/31	30	7.2	2/26	35	9.4	3/27	26	9.5	4/26	19	7.7			
7050													5/15	6	2.7			
DIVIDE 7800							2/28	39	11.4	3/26	37	12.2	4/28	33	13.1	6/01	0	.0
7800													5/15	0	9.4			
DIX HILL 6400	12/30	33	7.8	1/29	36	10.3	2/26	37	12.0	4/02	19	7.7	5/01	0	.0			
EAGLE CREEK 7000										3/31	45	18.2						
EAST BOULDER S 9250							4/03	87	36.5A				5/04	87	37.5A			
9250													5/15	90	41.5A			
EAST FORK R.S. 5400	12/21	20	4.2	1/27	26	5.4	3/03	25	7.2	3/28	9	2.8	4/29	0	.0			
EL DORADO MINE 7800							2/24	60	19.5	3/27	62	23.6						
ELK HORN SPRINGS 7800							3/02	46	13.3	3/28	38	13.8	4/29	26	10.8			
FLK PEAK 8000							2/27	60	21.2	3/27	60	22.5	4/25	65	26.5			
EMERY CREEK 4350	12/23	34	9.0	2/02	55	15.0	2/28	44	14.9	3/30	29	11.3	4/27	14	4.9			
FATTY CREEK 5500							2/28	89	27.9	3/29	67	30.3	4/26	62	29.8	6/02	27	14.5
FISH CREEK 8000	12/29	19	3.4	1/27	24	4.9	2/27	33	7.0	3/29	28	7.2	4/27	28	8.2	5/30	29	10.1
8000													5/15	29	9.1			
FISHER CREEK 9100	12/27	84	25.2	1/27	103	32.8	2/28	121	41.7	3/31	99	43.7	4/28	105	47.0	5/30	92	46.9
9100													5/11	110	49.2			

SNOW COURSE ELEVATION (feet)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content
FIVE-BULL 5700							2/25	31	7.7	4/03	18	6.0	5/03	4	1.4			
FLEECER RIDGE 7500	1/05	33	8.8	1/31	38	11.5	2/28	48	13.9	3/30	32	12.8	4/28	22	9.4			
FOOLHEN 8280							3/02	57	17.7	3/28	47	17.4	4/29	44	19.1			
FOREST LAKE 6400										3/31	37	15.4						
FOUR MILE 6900							2/27	34	8.2	3/28	23	7.6	4/28	7	2.4			
FOURTH OF JULY 3450	12/30	26	5.8	1/27	36	9.2	2/24	34	10.6	3/27	28	8.9	4/27	14	5.2	5/30	0	.0
3450													5/17	0	.0			
FRED BURR PASS 8000							2/28	75	25.6	3/29	65	26.0	4/28	69	28.6			
FREIGHT CREEK 6000							2/25	50	16.7	4/03	37	15.0	5/03	30	13.4			
FRIDAY HILL 4620							2/24	55	19.5	3/27	42	18.4	4/27	26	12.8	5/30	0	.0
4620				1/27	59	19.0							5/17	1	.6			
FROHNER MEADOWS 6480	12/29	22	6.2	1/31	30	8.4	2/27	37	9.0	3/28	25	8.4	4/24	10	3.8	5/30	0	.0
GARVER CREEK 4250				1/24	39	11.0	2/21	39	12.6	3/28	27	9.8	4/25	14	6.4	5/30	0	.0
4250													5/15	0	.0			
GIBBONS PASS 7100	12/29	57	17.0	2/02	71	22.1	2/23	70	25.1				4/26	47	25.4	5/31	36	18.6
GOAT MOUNTAIN 7000							2/27	46	13.8	4/02	34	12.5	4/28	29	10.9			
GOLD CREEK LAKE 7200				2/24	44	13.8	2/24	44	13.8	3/27	43	15.8						
GOLD STONE 8100				3/01	58	18.9	3/01	58	18.9	3/30	51	19.6	4/27	49	20.7			
GRASSHOPPER 7000				2/27	30	8.2	2/27	30	8.2	3/27	24	8.4	4/25	13	5.4			
GRAVE CREEK 4300	12/28	36	12.0	1/23	57	17.1	2/27	52	19.1	3/27	40	17.3	4/28	39	15.9	5/25	0	.0
4300													5/12	16	7.2			
GRIFFIN CREEK DIVIDE 5150							2/28	42	13.2	3/29	27	11.0	4/25	17	7.6			
GRIZZLY PEAK 8400	12/27	26	5.4	1/30	36	7.6	2/28	41	10.1	3/30	36	11.0	4/28	37	12.1			
GUNSIGHT LAKE 6300							2/27	95	38.6	4/03	86	41.8	5/03	78	43.8	5/31	75	37.3
6300													5/18	75	39.5			
HAND CREEK 5030	12/15	30	6.6				2/27	39	13.2	3/29	31	12.0	4/26	25	10.7			

SNOW COURSE ELEVATION (feet)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
	date	snow depth	water content	date	snow depth	water content	date	snow depth	water content	date	snow depth	water content	date	snow depth	water content	date	snow depth	water content
HAWKINS LAKE																		
6450				1/24	66	24.6	2/21	69	27.8	3/28	65	28.7	4/25	70	30.9	5/30	51	25.0
6450													5/15	61	29.0			
HAYMAKER																		
8050																		
HEART LAKE TRAIL																		
4800							3/03	62	19.8	3/31	44	18.1	4/22	32	13.3	6/01	0	.0
4800													5/17	6	2.8			
HEBGEN DAM																		
6550	12/29	31	8.4	1/27	52	13.7	3/01	54	18.8	3/28	39	17.2	4/27	23	11.7			
HELL ROARING DIVIDE																		
5770	12/28	58	17.2	1/31	73	23.8	3/01	73	27.4	3/28	66	28.6	4/25	72	32.2	6/01	36	19.4
5770													5/17	48	24.5			
HERRIG JUNCTION																		
4850				1/19	70	22.0	2/22	67	22.8	3/28	54	25.1	4/27	45	23.4			
HIGHWOOD DIVIDE																		
5650	12/28	24	6.5	2/27	44	13.0	2/27	44	13.0	3/31	28	10.3	4/28	0	.0	5/25	0	.0
HIGHWOOD STATION																		
4600	12/28	12	3.1	2/03	30	7.3	2/27	29	7.4	3/29	13	3.9	4/28	0	.0	5/25	0	.0
HOLBROOK																		
4530	12/26	40	7.5	2/04	58	10.5A	2/27	41	12.0	4/01	21	7.3	4/26	3	1.1			
4530													5/18	0	.0			
HOOD MEADOW																		
6600	12/28	22	4.8	1/30	38	8.0	2/27	37	10.1	3/29	29	10.4	4/27	18	7.8	5/31	1	.2
6600													5/15	5	2.4			
HOODOO BASIN																		
6000																		
6000																		
HOODOO CREEK							3/03	122	46.7	3/31	108	47.7	4/27	104	52.4	5/31	75	39.2
5900													5/17	86	43.7			
5900																		
ICEBERG LAKE #3																		
5600																		
INDEPENDENCE																		
7850							2/27	59	19.2	3/31	45	18.9	5/01	36	17.2			
INTERGAARD																		
6450				1/31	21	4.6	3/01	31	6.7	3/31	17	5.6	4/27	0	.0			
JACK CREEK																		
7500							2/28	36	8.8	3/29	23	8.2						
JAHNKE LAKE TRAIL																		
7200							3/01	44	12.0	3/29	68	30.4	4/27	20	8.7			
JOHNSON PARK																		
6450				2/28	39	10.9				3/30	24	9.6	4/28	2	.5			
JOSEPHINE LOWER #9																		
4900																		
3300																		
KEELER CREEK				2/22	31	11.4				3/29	15	5.9	4/26	0	.0			
KING CREEK SADDLE																		
4550	1/05	28	6.8	1/27	32	8.1	2/27	36	9.6	3/28	17	6.8	5/01	0	.0			

SNOW COURSE ELEVATION (feet)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content
KING SPRINGS 4150	1/04	26	6.8	1/27	30	7.8	2/27	34	9.5	3/30	15	5.5	5/01	0	.0			
KINGS HILL 7500	12/27	35	8.8	1/31	46	12.2	2/28	53	16.0	3/27	49	17.3	5/01	40	16.9	5/31	35	12.8
7500													5/12	43	18.2			
KISHENEHN 3890							2/28	35	9.0	3/29	19	5.6						
KIWANIS CAMP 3720	12/29	20	3.2	1/24	26	5.2	2/23	26	6.4	3/28	10	3.0	5/01	0	.0			
LAKE CREEK 6100	12/29	19	3.6	1/25	28	6.4	3/02	34	9.2	3/31	20	7.2	4/28	6	2.4	6/01	0	.0
LAKEVIEW CANYON 6930	12/23	16	2.7	1/31	27	6.6	2/28	39	9.9	3/31	30	10.2	4/28	30	12.9			
LAKEVIEW RIDGE 7400	12/23	15	2.8	1/31	28	8.0	2/28	39	9.9	3/31	27	9.2	4/28	26	11.2			
LEMHI PASS 7480							3/03	39	10.8	3/26	32	11.0	4/28	22	8.8			
LEMHI RIDGE 8100							3/03	46	13.8	3/26	37	12.9	4/28	27	11.6	6/01	0	5.5
8100													5/15	0	11.5			
LICK CREEK 6860	12/28	23	4.8	1/31	38	7.7	2/27	39	9.5	3/29	28	9.3	4/27	12	4.9	5/31	0	.0
6860													5/15	0	.0			
LITTLE PARK 7400							3/01	60	19.1	3/28	52	20.0	4/25	49	20.8			
LOGAN CREEK 4300							2/27	31	9.7	3/29	19	6.8	4/26	0	.0			
LONE MOUNTAIN 8800	1/02	46	14.0	1/31	68	20.5	2/28	77	25.6	4/01	58	24.9	4/25	70	31.1			
LOST HORSE 5940	12/28	65	22.8				2/22	93	32.9	3/30	81	36.4	4/28	74	35.0			
LOST SOUL 4800				1/25	48	13.5	2/24	44	15.7	3/31	26	11.4	4/27	14	7.2	5/30	0	.0
4800													5/15	0	.0			
LOWER TWIN 7900							2/27	64	21.0	3/28	55	22.1	4/28	51	22.2			
LUBRECHT FLUME 4200	12/28	20	4.7	1/30	27	7.0	2/27	25	7.1	3/29	5	1.8	4/27	0	.0			
LUBRECHT FOREST # 3 5450	12/28	21	5.0	1/30	28	7.2	2/27	28	8.1	3/31	10	3.8	4/27	0	.0			
LUBRECHT FOREST # 4 4650	12/28	12	2.7	1/30	16	3.6	2/27	15	4.0	3/31	0	.0	4/27	0	.0			
LUBRECHT FOREST # 6 4040	12/30	17	3.5	1/31	21	5.2	3/02	19	5.7	3/31	1	.3	4/27	0	.0			
LUBRECHT HYDROPLOT 4200	12/28	19	4.2	1/30	25	6.0	2/27	22	7.0	3/29	0	.0	4/27	0	.0			
MADISON PLATEAU 7750	12/29	42	11.7	1/27	60	19.3	2/24	67	23.9	3/27	60	25.8	4/25	52	26.0			
MANY GLACIER 4960				1/23	56	17.2	2/23	56	20.8	4/08	38	16.5	5/02	21	10.4			

SNOW COURSE ELEVATION (feet)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
	date	(inches)		date	(inches)		date	(inches)		date	(inches)		date	(inches)		date	(inches)	
		snow depth	water content		snow depth	water content		snow depth	water content		snow depth	water content		snow depth	water content		snow depth	water content
NORTHEAST ENTRANCE	12/31	32	7.6	2/02	41	10.6	3/02	48	13.4	4/01	30	11.8	5/01	16	6.8	5/30	1	.4
7400													5/11	16	6.8			
7400																		
NOTCH																		
8500																		
OPHIR PARK																		
7150	12/30	45	12.1	1/29	52	16.9	2/26	57	20.2	4/02	48	20.6	4/30	45	22.0	5/31	33	15.6
PALISADE CREEK																		
8250																		
PETERSON MEADOWS																		
7200	1/03	24	6.4	1/30	26	7.4	2/27	35	8.5	3/28	29	9.4	4/27	20	7.1	5/30	19	5.6
7200													5/15	14	5.9			
PICKET PIN C													5/04	63	26.5A			
9450													5/15	81	35.0A			
9450																		
PICKET PIN LOWER																		
6200																		
PICKET PIN MIDDLE																		
7250																		
PICKET PIN UPPER																		
8100																		
PICKFOOT CREEK																		
6650													4/26	21	10.2			
PICNIC GROUNDS													4/27	0	.0			
6200				1/31	21	4.6	3/01	28	6.2	3/30	13	4.2						
PIEGAN PASS # 6													5/02	65	31.9			
5500																		
PIKE CREEK																		
5930																		
PIPESTONE PASS																		
7200	12/30	12	2.4	1/30	15	3.0	2/28	21	4.2	3/30	12	4.0	4/27	0	.0			
PLACER HASIN F																		
8800													5/04	51	21.5A			
8800													5/15	66	28.5A			
POORMAN CREEK													4/27	60	30.4	5/31	16	9.1
5100	12/23	0	18.0	1/26	80	28.0	2/23	84	31.4	3/31	66	31.6	5/16	40	20.9			
5100																		
PORCUPINE																		
6500													4/28	18	7.0	6/01	0	.0
POTOMAGETON PARK																		
7150													5/02	22	10.7			
PTARMIGAN #8																		
5800													5/03	58	28.7			
RED MOUNTAIN																		
6000													5/01	37	17.4	6/01	16	7.8
6000													5/15	28	14.3			
RED TOP																		
5260													4/26	65	29.5	5/30	29	14.2
5260				1/27	71	23.4	2/24	70	26.8	3/27	63	26.4	5/17	43	21.5			

SNOW COURSE ELEVATION (feet)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content
ROCK CREEK 5600				2/24	46	13.4	3/24	41	13.9	5/02	14	6.2						
ROCK CREEK MEADOWS 6160				2/23	69	20.9	3/31	70	25.7	4/27	74	27.3						
ROCKER PEAK 8000	12/28	35	9.9	1/30	46	13.6	2/24	50	15.1	3/27	47	16.7	4/24	44	17.6	5/30	36	15.8
8000													5/15	0	22.0			
ROCKY BOY 4700	12/29	21	5.2	1/24	26	5.8	2/23	31	8.0	3/28	23	7.8	4/28	5	1.4	5/27	0	.0
SACAJAWEA 6550				2/28	61	19.8	3/30	47	21.0	4/26	45	21.6						
SADDLE MOUNTAIN 7940	12/29	60	19.4	2/02	75	24.4	2/23	74	27.6	3/29	68	30.4	4/26	63	31.0	5/31	60	29.8
7940										5/15	0	31.0						
SENTINEL CREEK 8300				2/23	73	26.9	3/30	68	28.6	5/02	67	31.4						
SHOWER FALLS 8100	12/28	49	13.8	1/30	75	20.2	2/27	72	23.9	3/29	67	26.1	4/27	70	30.3	5/31	78	34.6
8100										5/16	70	31.1						
SILVER RUN 6630				2/25	25	4.6	4/01	0	.0	4/28	0	.0	4/28	0	.0	6/01	0	.0
6630										5/15	0	.0						
SKALKAKO SUMMIT 7260	12/28	59	18.1	1/31	66	22.6	3/03	75	28.4	3/28	64	27.6	4/29	58	28.8	5/26	46	23.6
7260										5/16	52	25.6						
SLAG-A-MELT LAKE 8750				3/02	79	28.8	3/28	74	30.8	4/29	68	31.0						
SLIDE ROCK MOUNTAIN 7100				2/28	48	15.7	3/28	44	16.9	4/27	40	17.6						
SMUGGLER MINE 6960				2/27	46	12.3	3/30	32	12.3	5/01	22	10.0						
SOUTH FORK SHIELDS 8100				2/23	76	27.6	3/29	72	30.2	4/28	72	32.3						
SPOTTED BEAR MOUNTAIN 7000	12/26	46	11.0A	2/04	54	13.0A	4/03	32	14.4	5/03	15	6.5	5/03	15	6.5	6/01	0	.0
7000										5/18	0	.0						
SPUR PARK 8000	12/27	51	14.4	1/31	68	20.6	3/30	66	26.9	4/27	66	29.2	4/27	66	29.2	6/01	0	24.5
8000										5/12	68	30.4						
STAHL PEAK 6050	12/28	72	24.2	1/23	95	32.0	3/27	94	40.3	4/24	117	49.4	4/24	117	49.4	5/25	93	44.8
6050										5/12	100	45.9						
STAR LAKE E 9650							4/03	105	46.0A	5/04	111	50.0A	5/04	111	50.0A	5/30	109	56.9
9650										5/15	115	55.0A						
STEMPLE PASS 6600				2/27	38	10.5	3/28	33	11.8	4/27	30	12.5						

SNOW COURSE ELEVATION (feet)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content
STORM LAKE 7780	1/03	35	8.8	1/30	40	11.8	2/27	49	12.3	3/28	42	16.4	4/27	36	14.7			
STRYKER BASIN 6180				1/19	79	25.8	2/22	74	27.9	3/28	77	32.4	4/27	84	34.8	6/06	46	29.9
STUART MILL 6500				1/31	20	4.1	3/01	29	6.1	3/31	0	.0	4/27	0	.0			
STUART MOUNTAIN 7400							3/03	95	36.9	3/30	82	37.2	5/02	72	37.2	6/01	58	30.0
7400										5/17	70	35.1						
SUCKER CREEK 3960	12/29	10	1.2	1/26	18	3.5	2/23	14	3.6	3/28	0	.0	5/01	0	.0			
SUGARLOAF 7350							3/07	38	10.5	3/31	20	7.6	4/25	14	4.8			
TAYLOR PEAKS 8500										3/24	65	24.3						
TAYLOR ROAD 4080	12/29	23	5.6	1/24	28	6.7	2/23	33	9.2	3/28	17	6.8	4/28	0	.0			
TEN MILE LOWER 6600	12/30	24	5.2	1/30	28	7.3	2/25	30	7.4	3/27	21	6.6	4/27	4	1.5			
TEN MILE MIDDLE 6800	12/30	33	7.2	1/30	37	9.6	2/25	41	11.4	3/27	37	12.6	4/27	32	13.2			
TEN MILE UPPER 8000	12/30	33	8.7	1/30	45	13.2	2/25	47	13.9	3/27	40	15.8	4/27	39	16.8			
TEPEE CREEK 8000	12/29	34	8.6	1/25	45	12.0	3/02	53	16.6	3/31	50	18.2	4/28	59	22.6	6/01	31	14.0
TIMBERLINE CREEK 8850							2/25	40	8.6	4/01	34	9.8	4/29	41	11.8			
8850										5/15	50	16.5						
TRAIL CREEK 7090							3/03	39	10.2	3/26	32	9.8	4/28	18	7.0			
TRINKUS LAKE 6100							2/25	106	42.3	4/03	93	44.0	5/03	83	45.1	5/31	67	36.5
6100													5/18	78	42.8			
TV MOUNTAIN 6800	12/26	43	10.4	2/02	57	16.5	2/28	63	19.3	3/30	51	20.9	5/02	42	20.3	6/01	32	13.9
6800										5/17	34	16.6						
TWELVEMILE CREEK 5600	12/28	49	15.2	2/02	74	20.4	2/22	65	24.2	3/30	46	19.8	4/28	26	12.5	5/30	0	.0
5600										5/15	0	.0						
TWENTY-ONE MILE 7150	12/29	39	10.6	1/27	52	15.8	3/01	63	22.2	3/29	48	20.5	4/30	32	15.7			
TWIN CREEKS 3580	12/26	42	9.5A	2/04	60	11.0A	2/27	40	13.8	4/03	21	9.5	5/03	0	.0	6/01	0	.0
3580										5/18	0	.0						
TWIN LAKES 6510	12/28	85	30.0				2/22	113	44.8	3/30	101	48.4	4/28	95	48.2	6/01	0	40.0
6510										5/15	0	45.5						

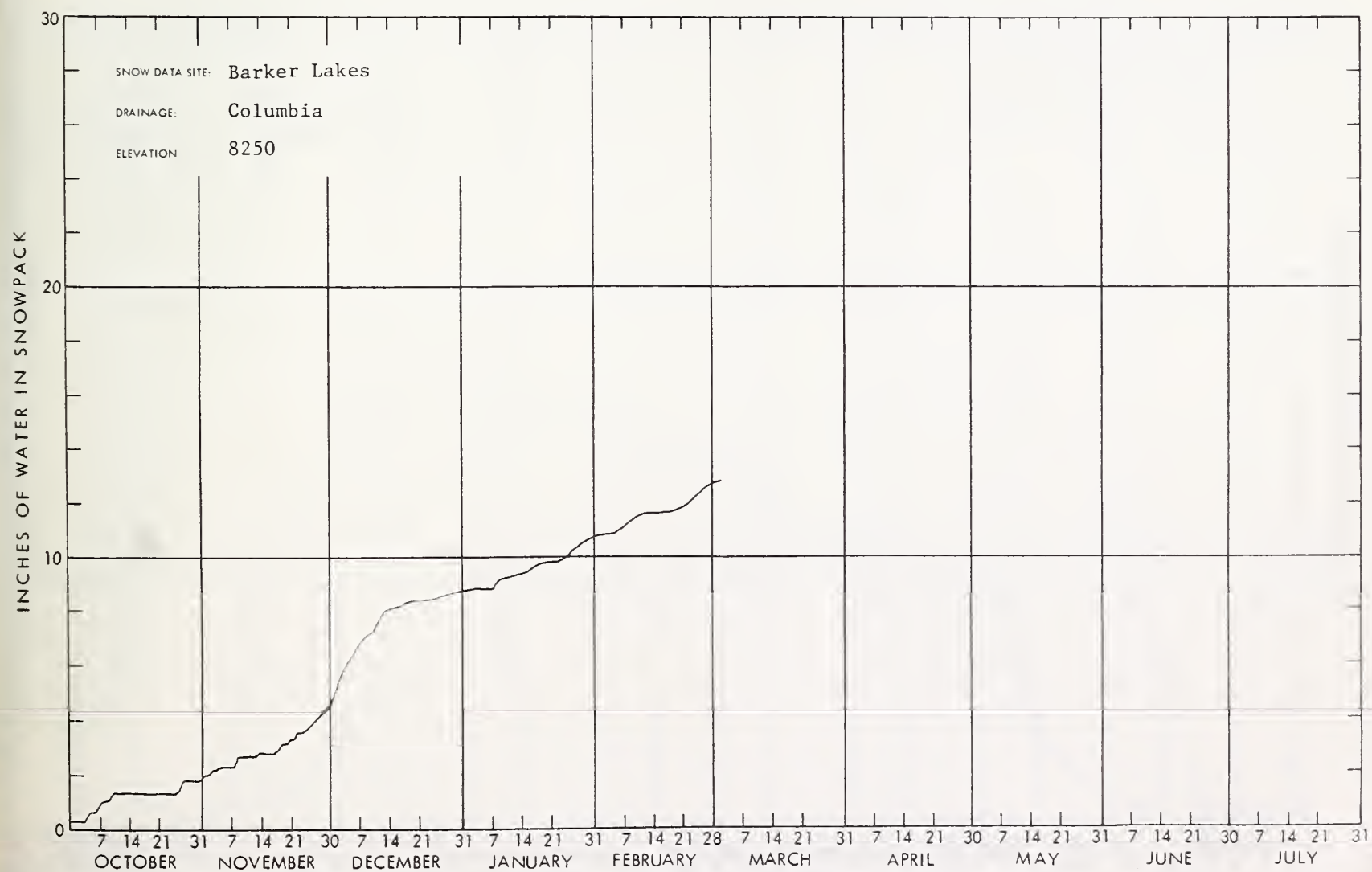
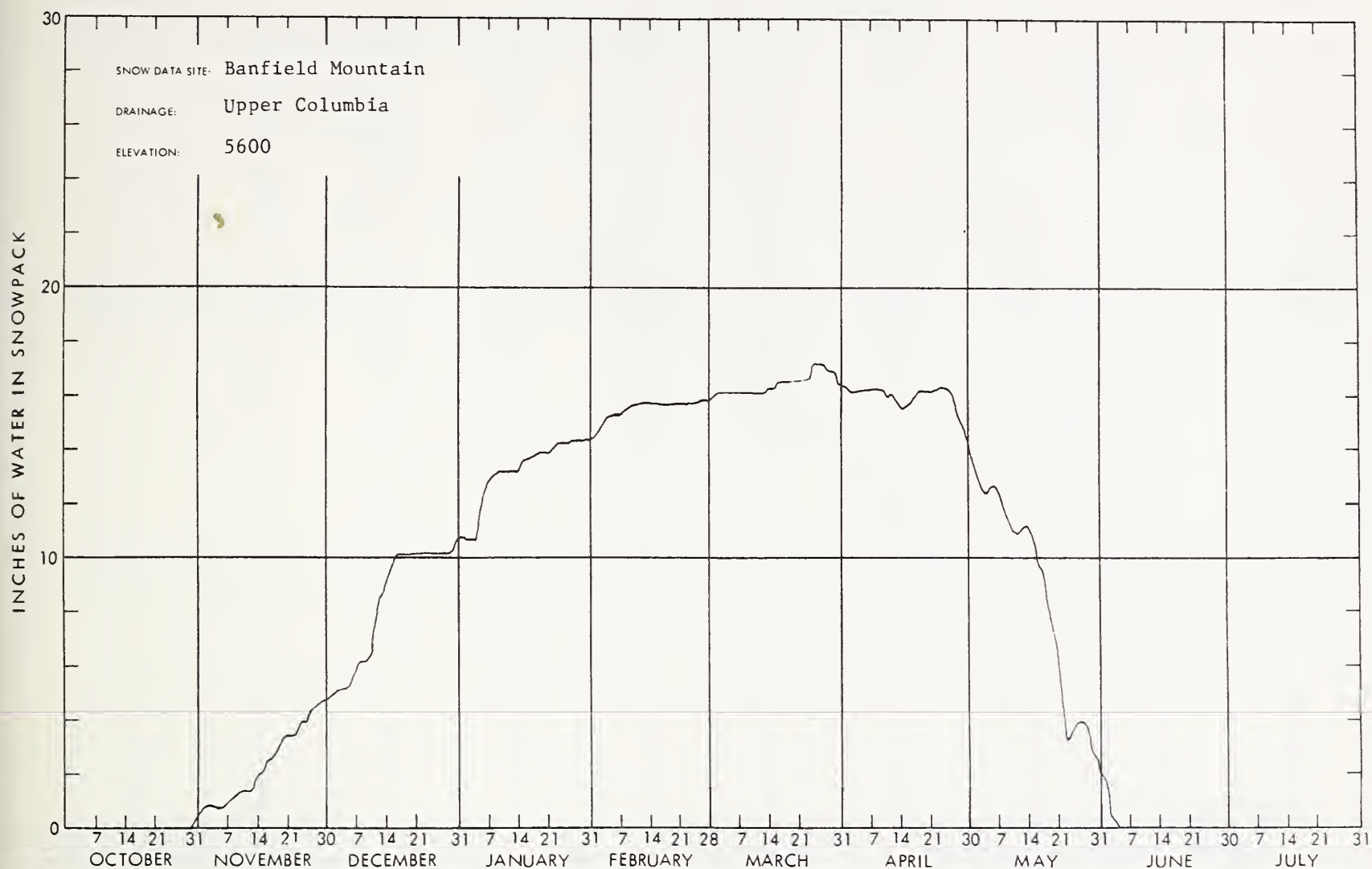
SNOW COURSE ELEVATION (feet)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			
	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	date	snow depth	(inches) water content	
UPPER HOLLAND LAKE 6200							2/25	92	37.5		4/03	82	38.0	5/03	75	35.9	5/31	58	28.8
6200														5/18	58	30.2			
WALDRON 5600				1/31	42	12.8	3/01	43	15.0		3/28	28	10.6	5/01	12	5.6			
WARM SPRINGS 8250	1/04	49	14.8	1/31	52	16.8	3/03	64	21.0		3/30	50	20.3	5/01	50	23.0	6/01	54	23.0
WEASEL DIVIDE 5450	12/28	68	21.7	1/23	85	28.4	2/27	83	31.7		3/27	76	32.2	4/28	79	35.8	5/25	48	25.7
5450														5/12	62	30.4			
WEST ROSEBUD 7500							2/16	26	7.3		3/22	32	10.2						
WEST YELLOWSTONE 6700	12/29	25	6.0	1/27	38	11.0	3/01	47	15.1		3/28	35	14.4	4/29	18	8.2			
WHISKEY CREEK 6800	12/29	41	10.8	1/27	62	18.8	2/24	68	23.8		3/28	59	26.0	4/25	48	25.3	6/01	0	2.5
6800														5/12	26	14.4			
WHITE MILL 8700	12/27	73	21.0	1/27	79	25.6	2/28	104	32.3		3/31	83	34.2	4/28	86	37.1	5/30	74	38.4
8700														5/11	90	40.0			
WHITE PINE RIDGE 8850							3/05	20	4.0		3/26	14	3.6	4/28	7	2.3			
WILLOW CREEK 6500	12/28	20	3.4	1/30	29	6.0	2/28	35	7.7		3/30	20	5.9	4/28	0	.0			
WRONG CREEK 5700							2/25	47	16.2		3/31	32	13.3	4/25	22	10.6			
WRONG RIDGE 6800							2/25	58	20.2		3/31	50	20.9	4/26	48	22.3			

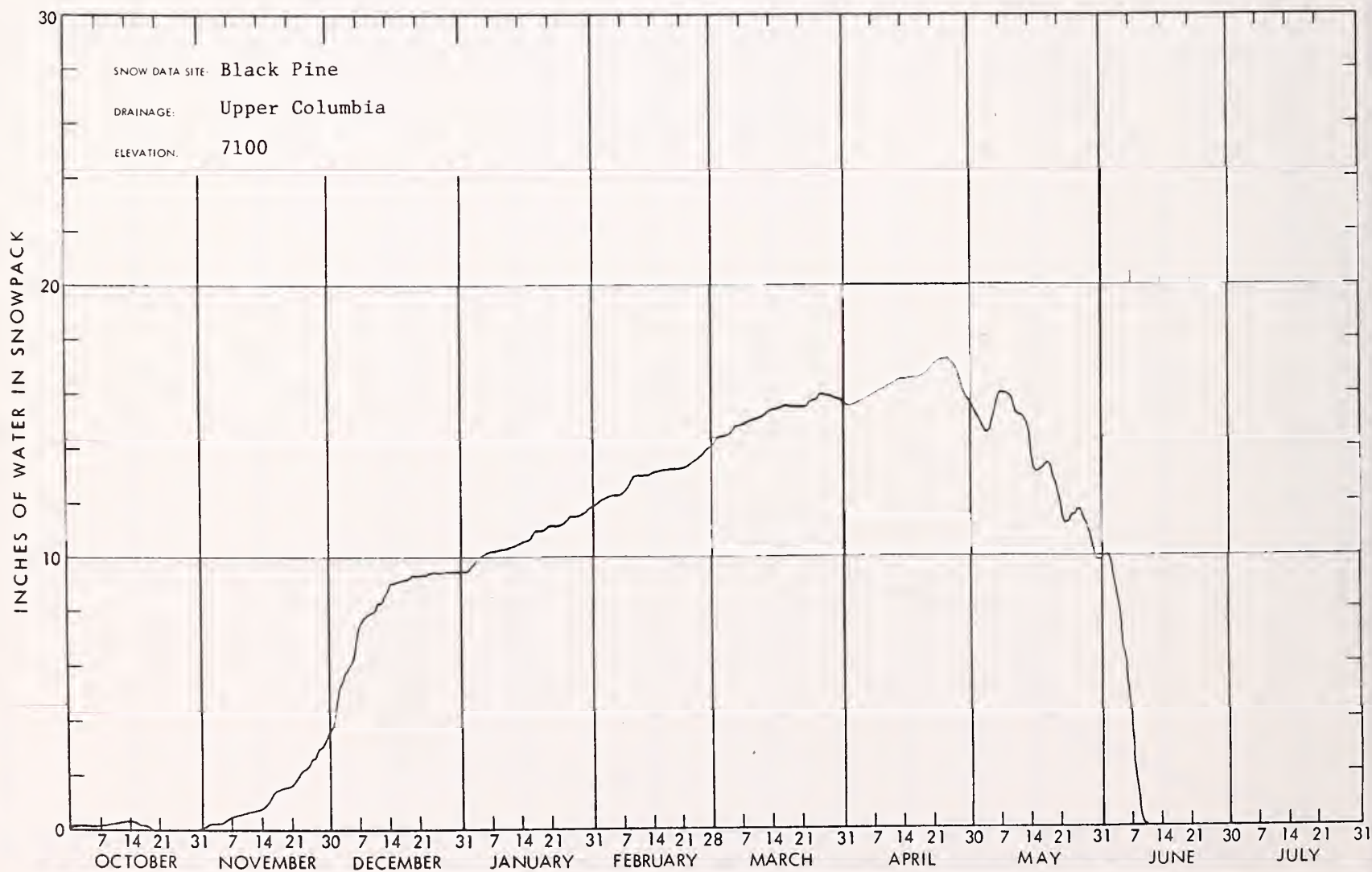
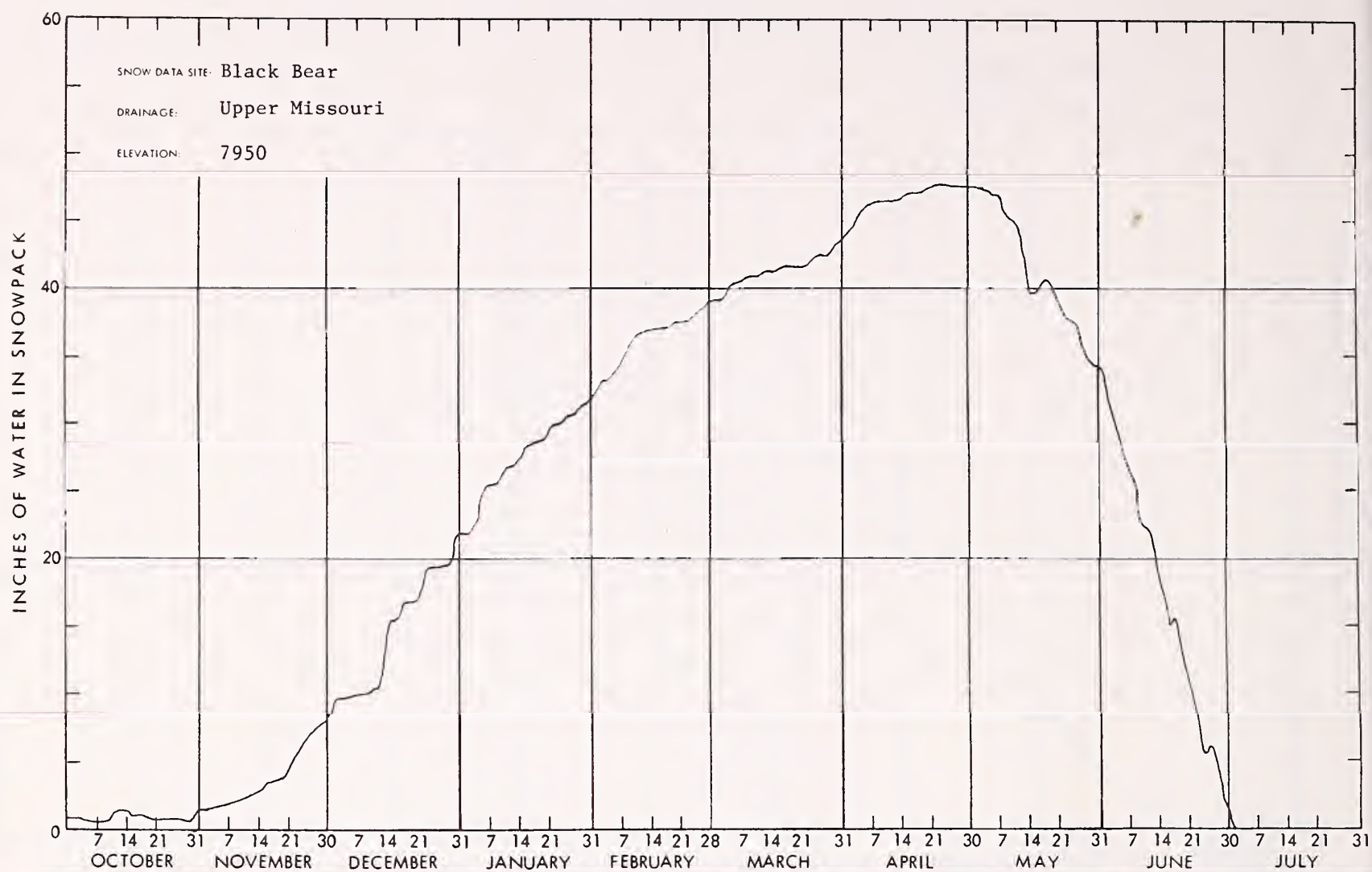
SNOW PILLOW

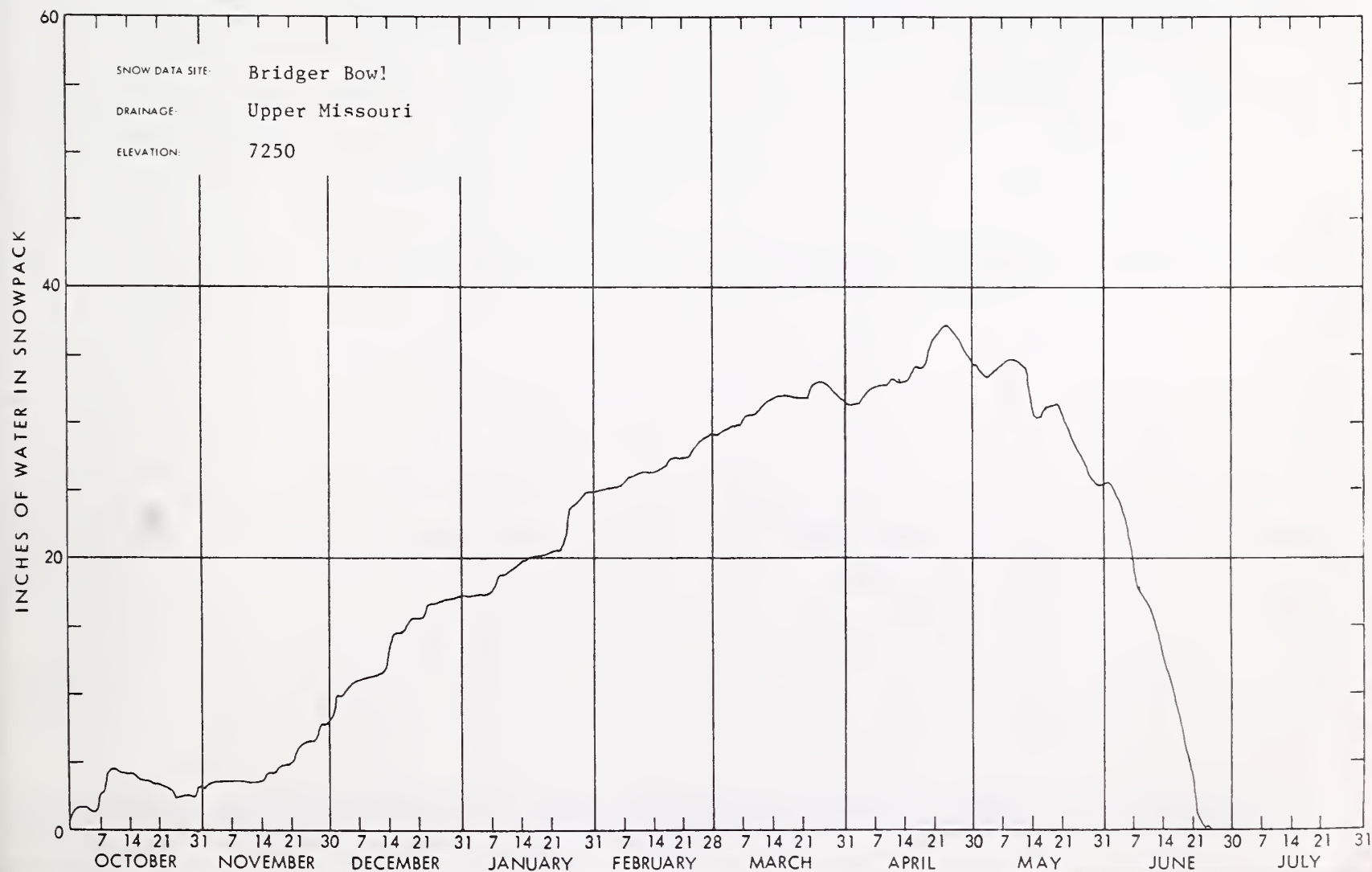
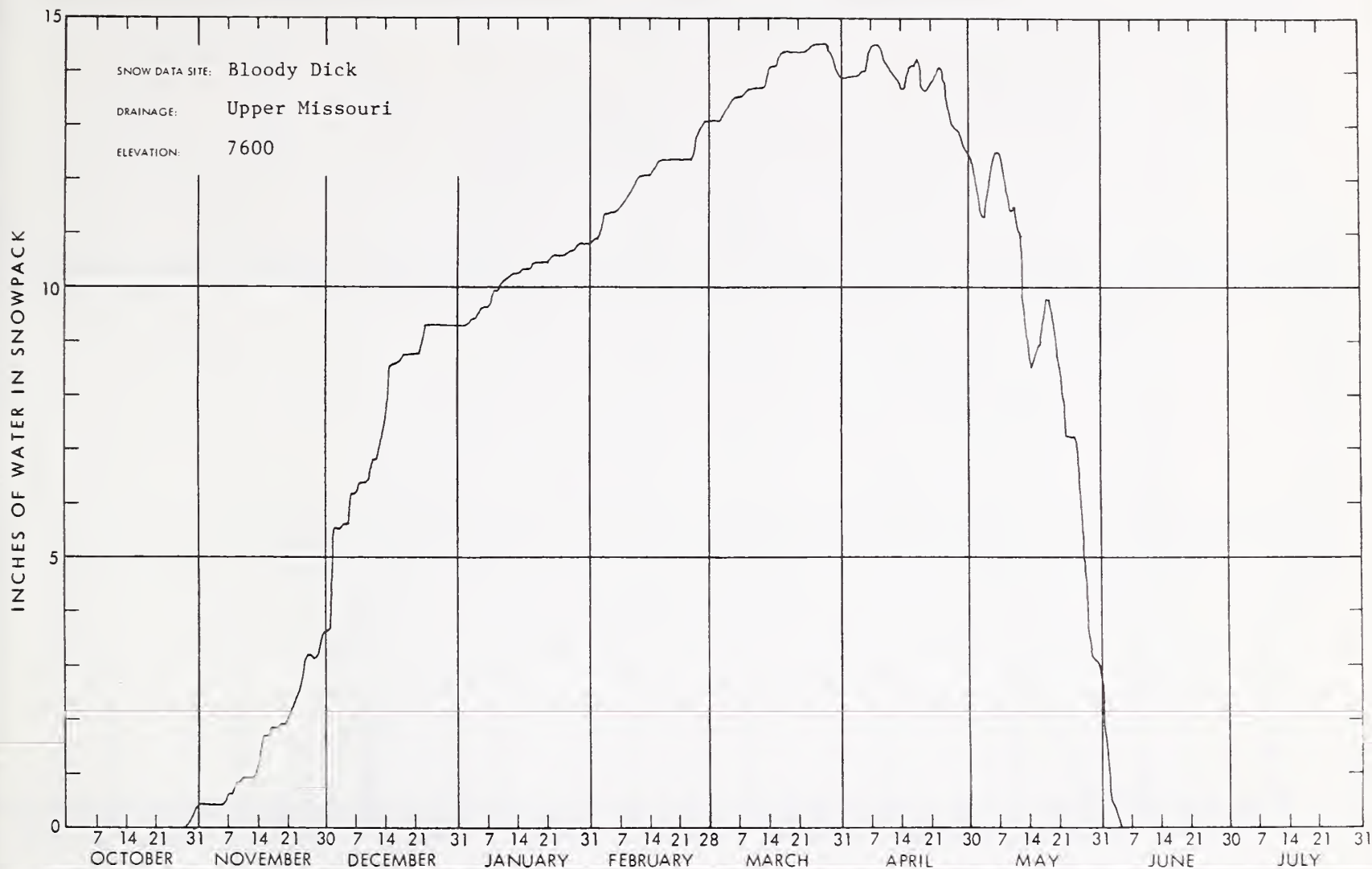
DATA...

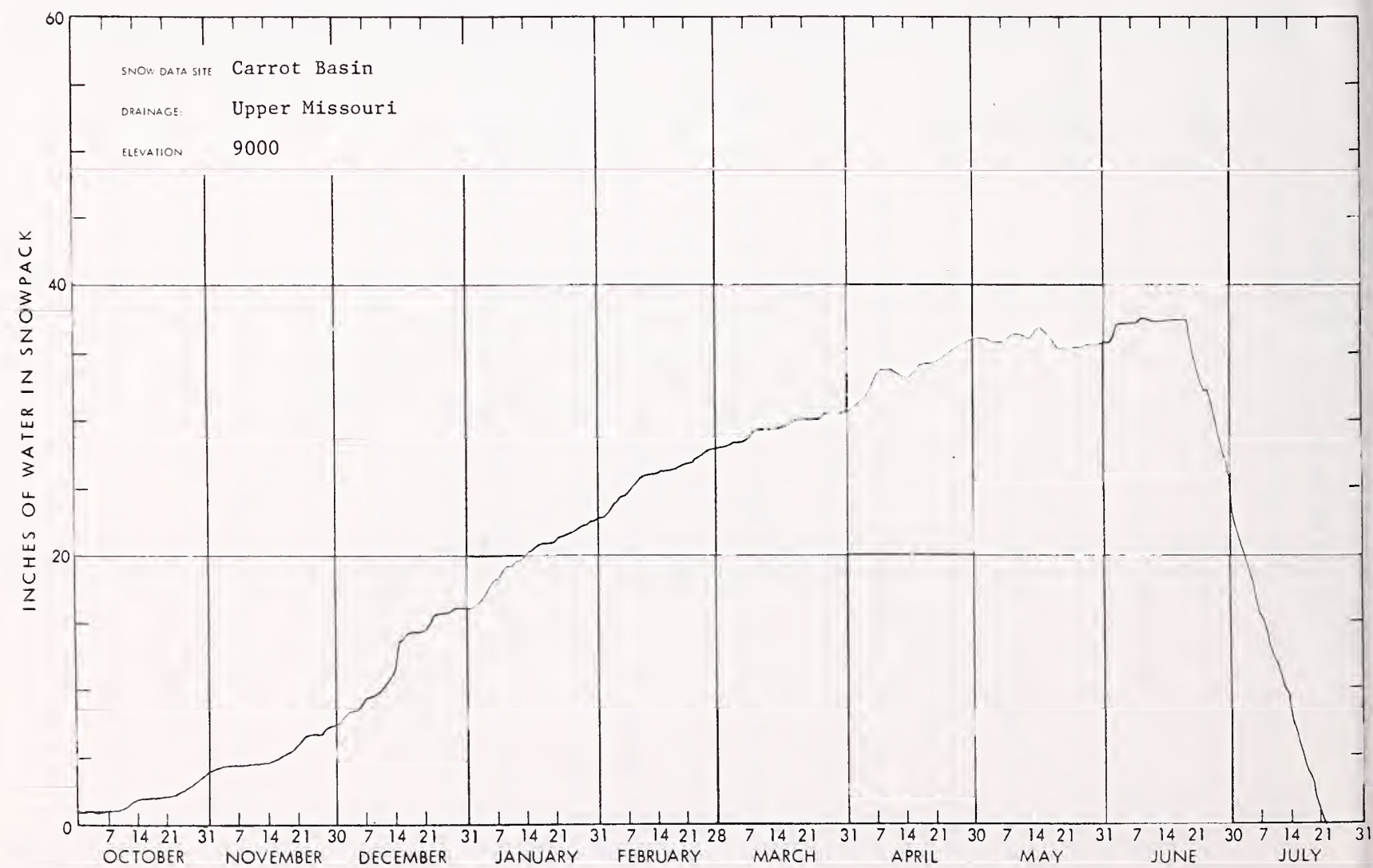
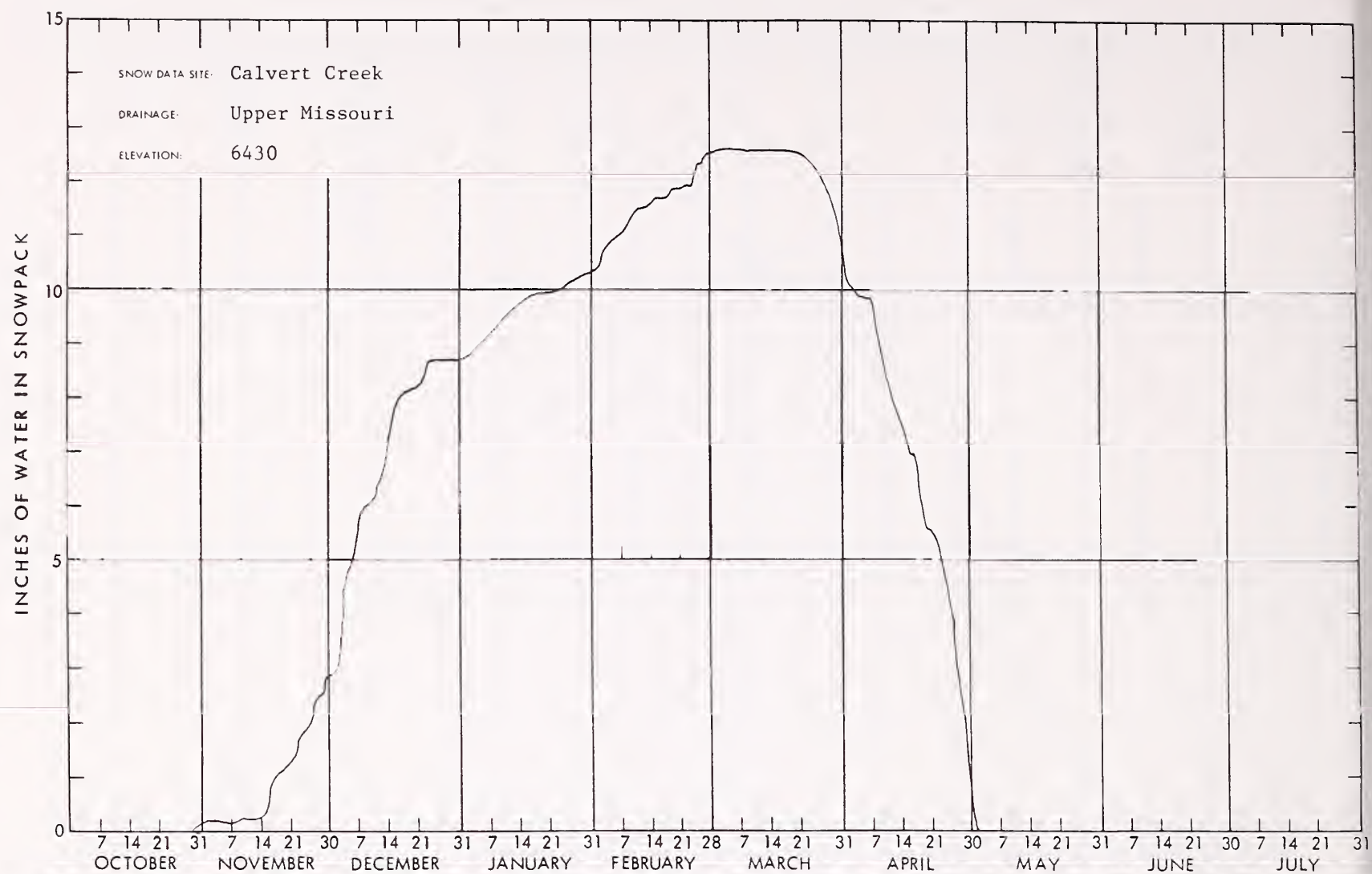
WOLFE & WOLFE

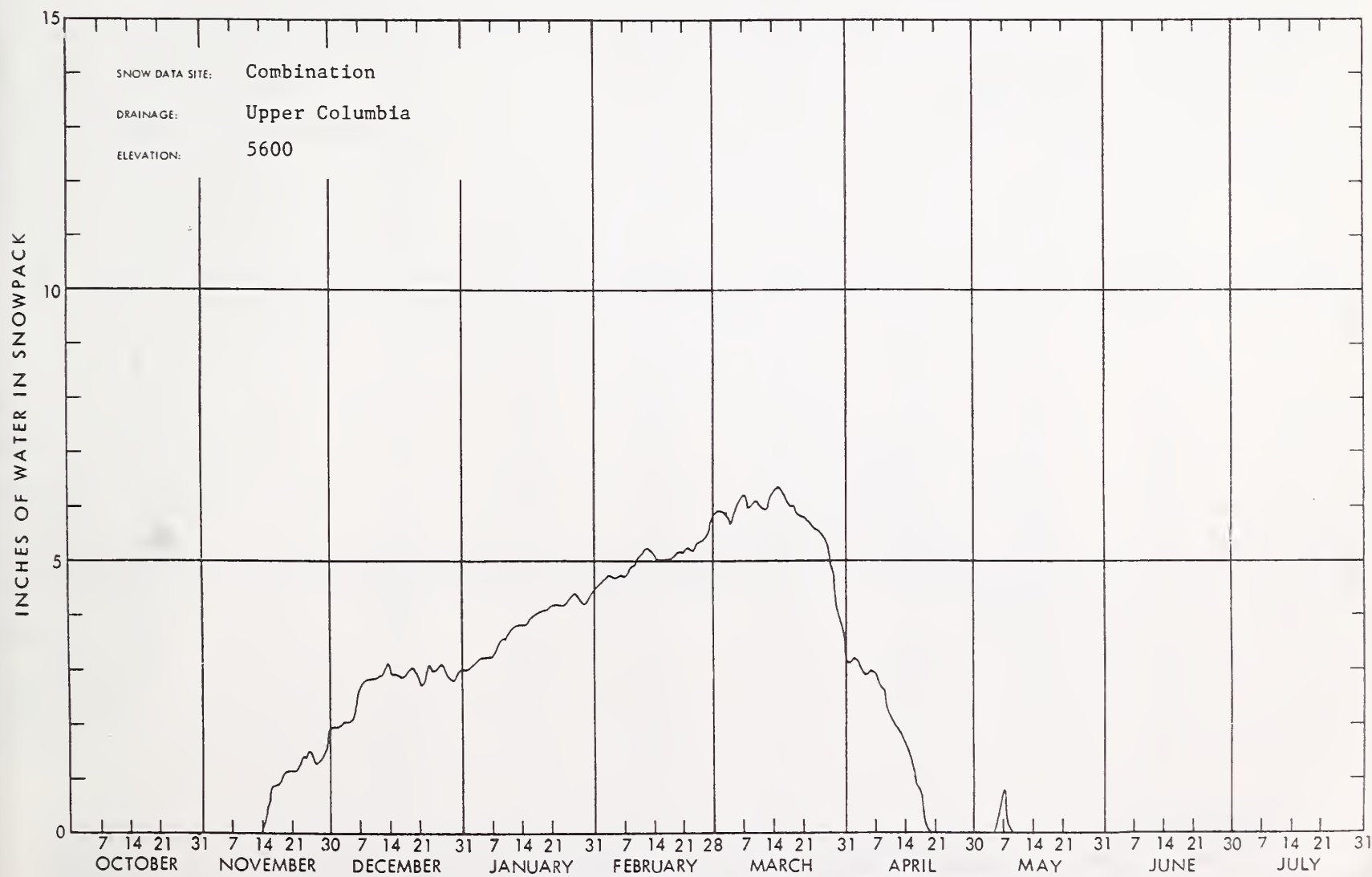
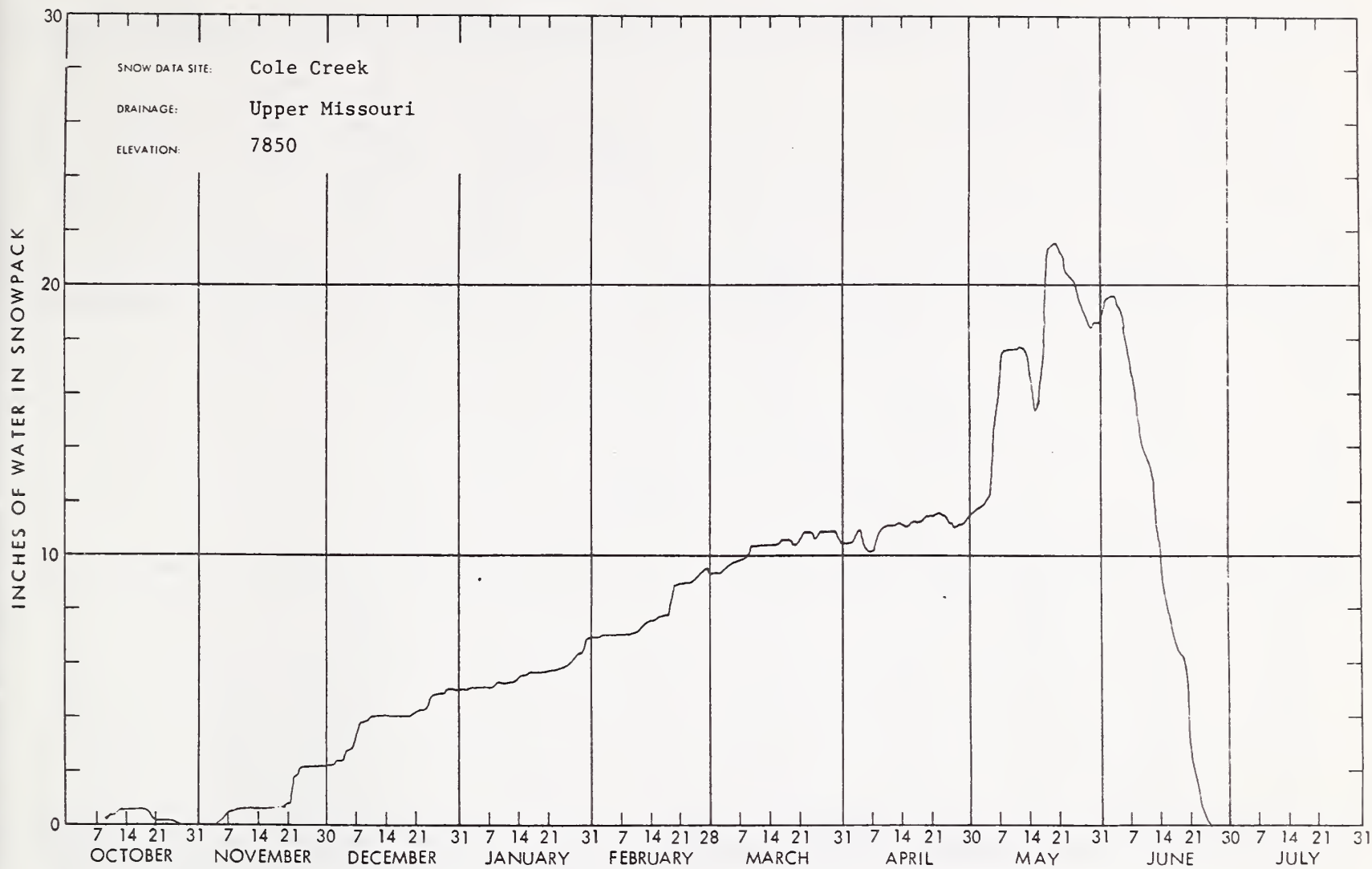
CHICAGO

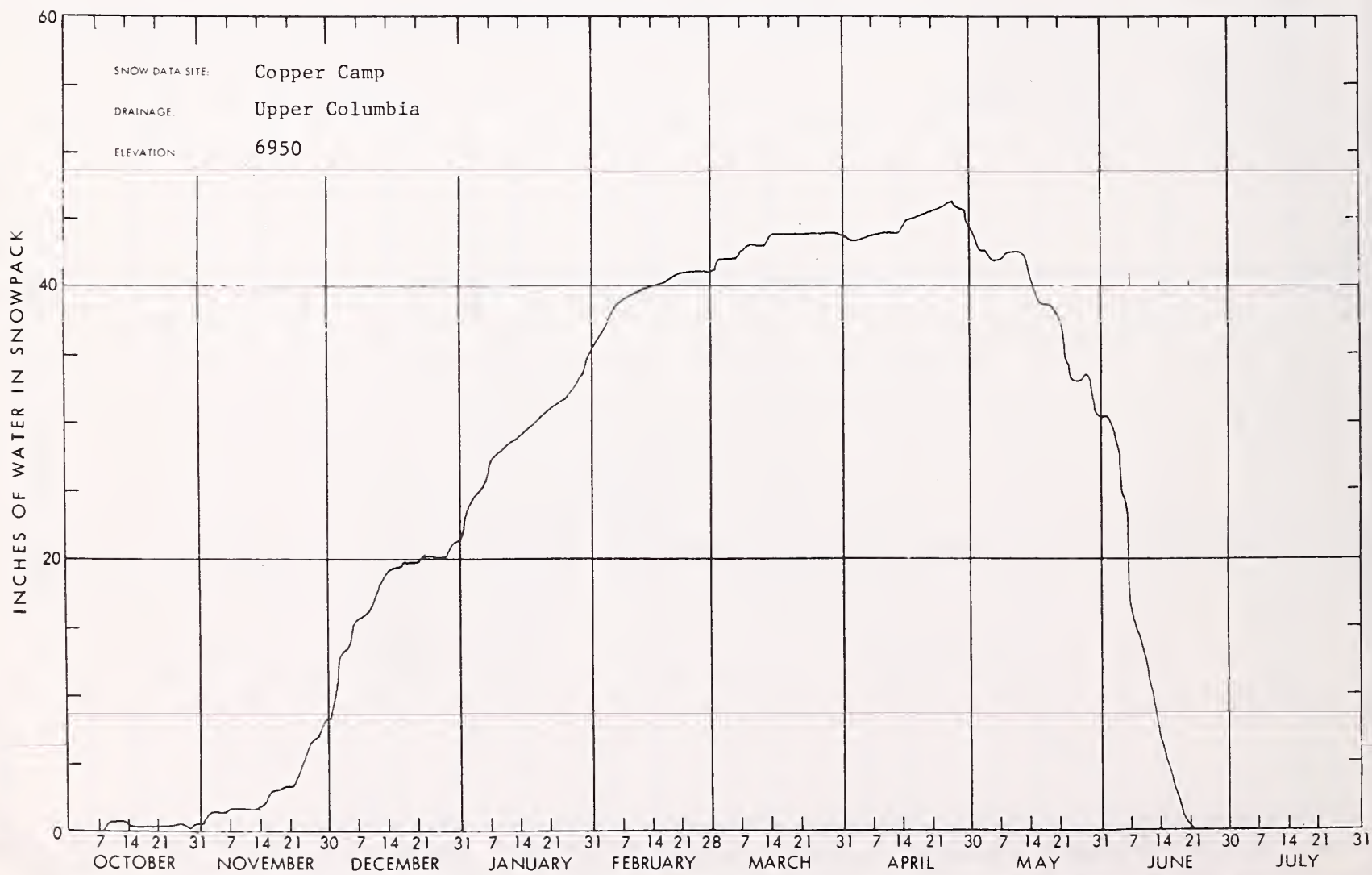
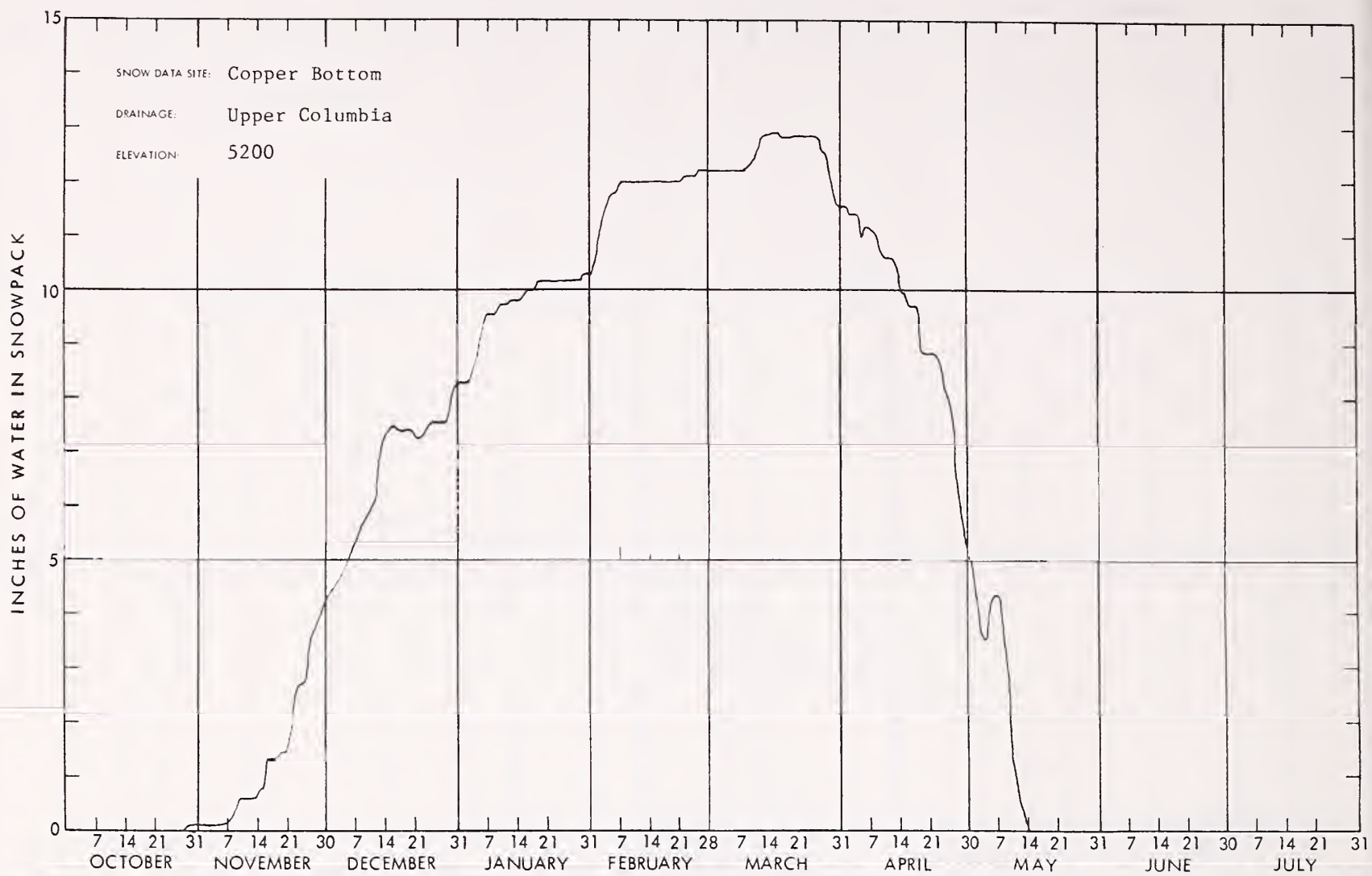


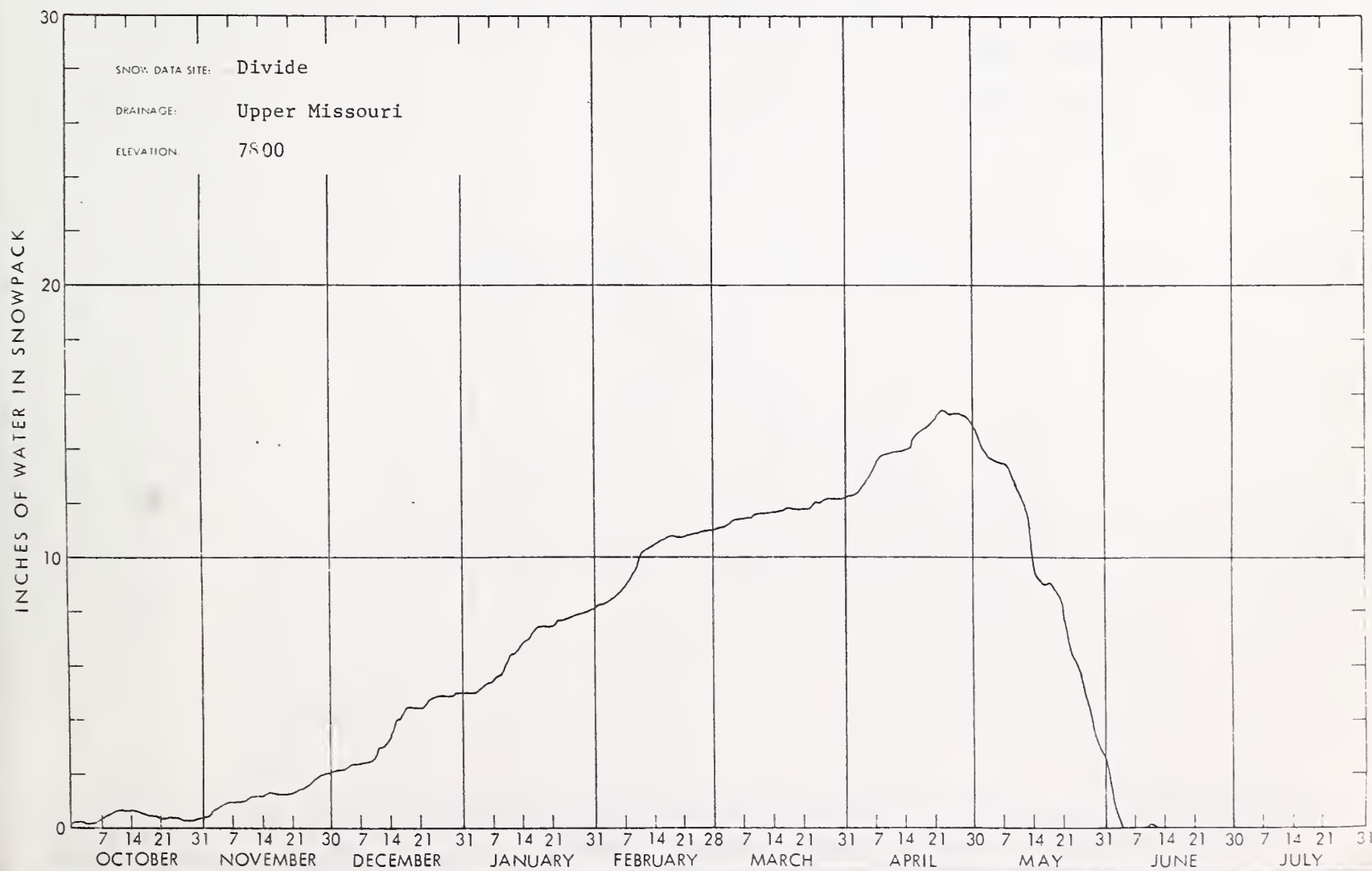
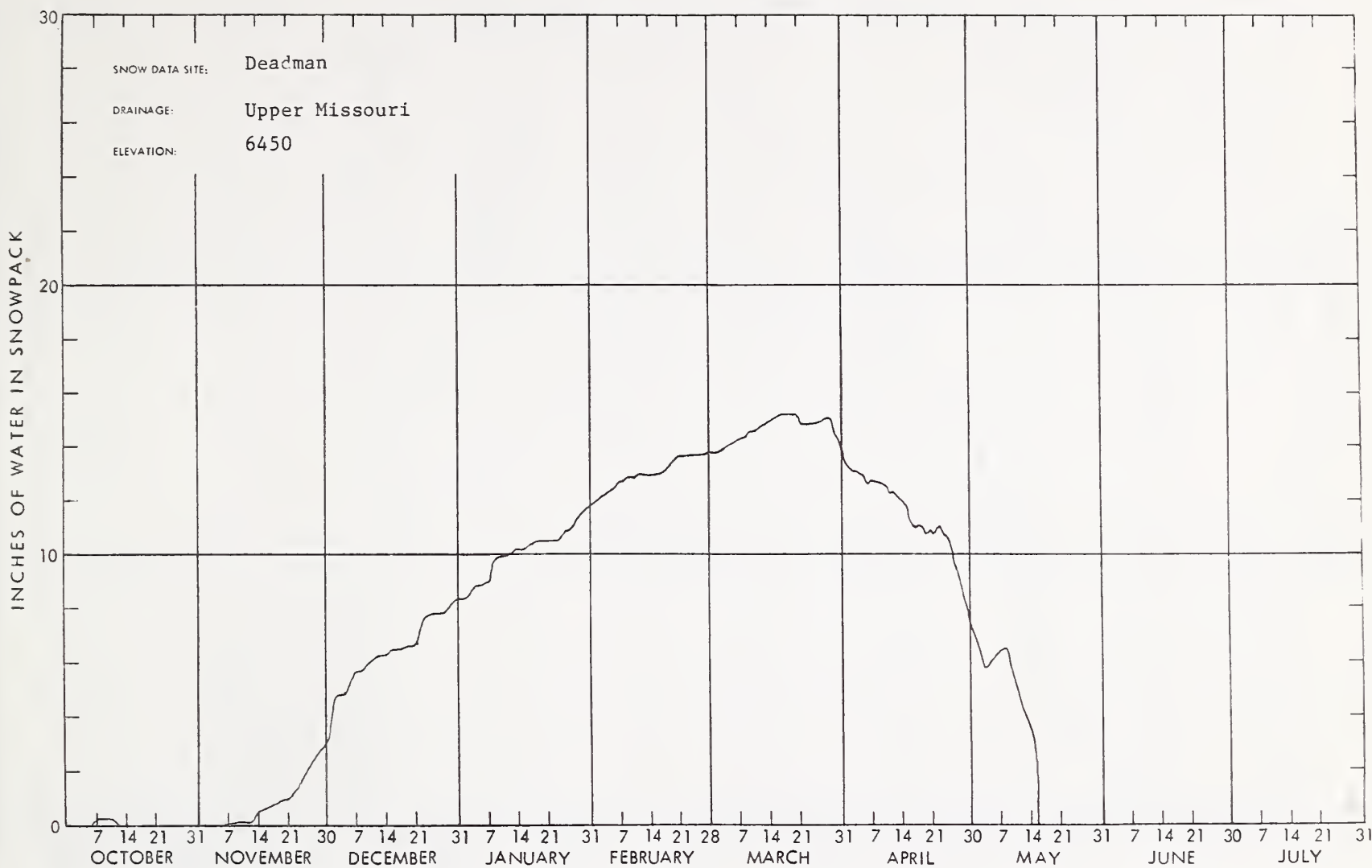


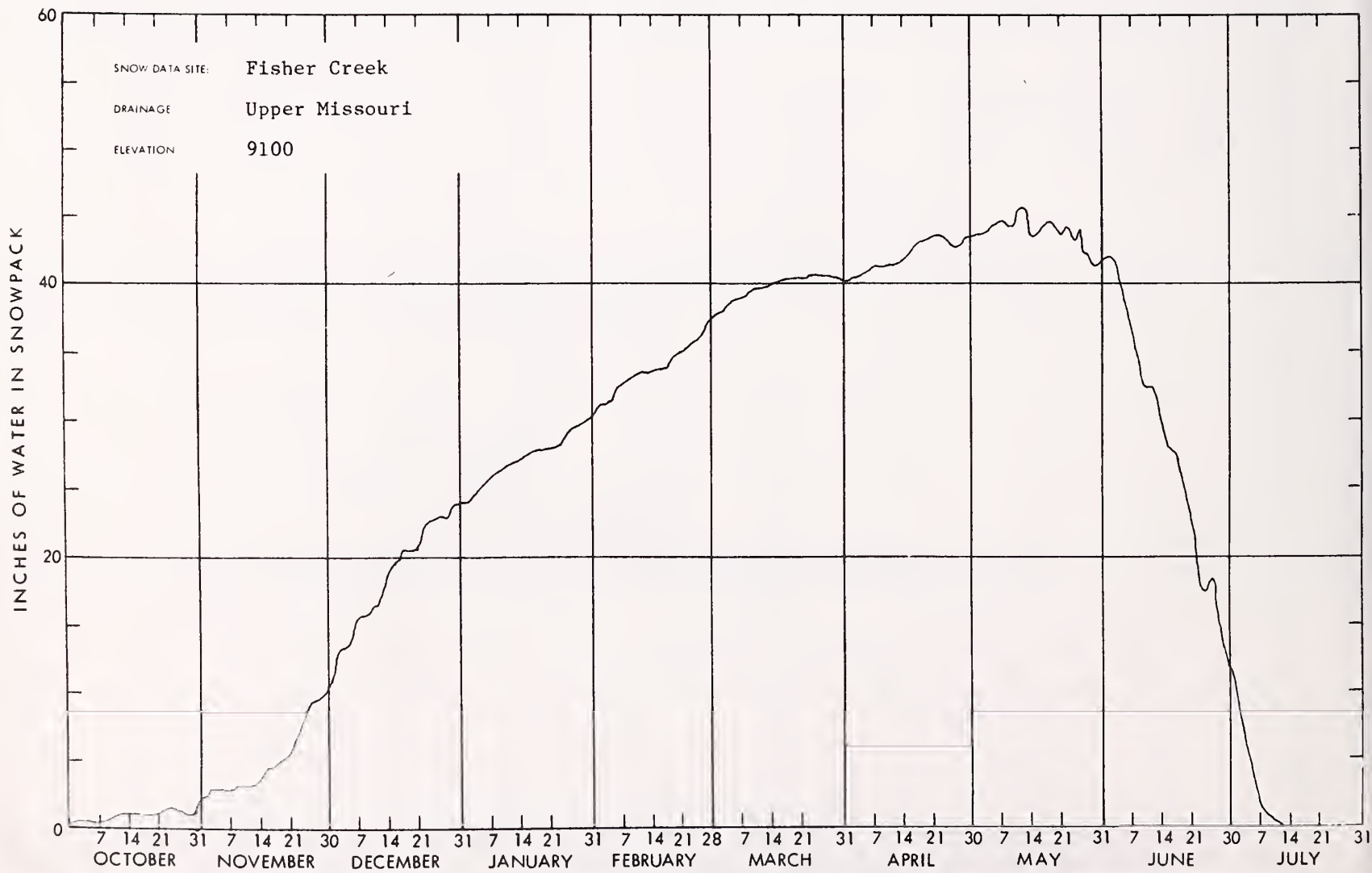
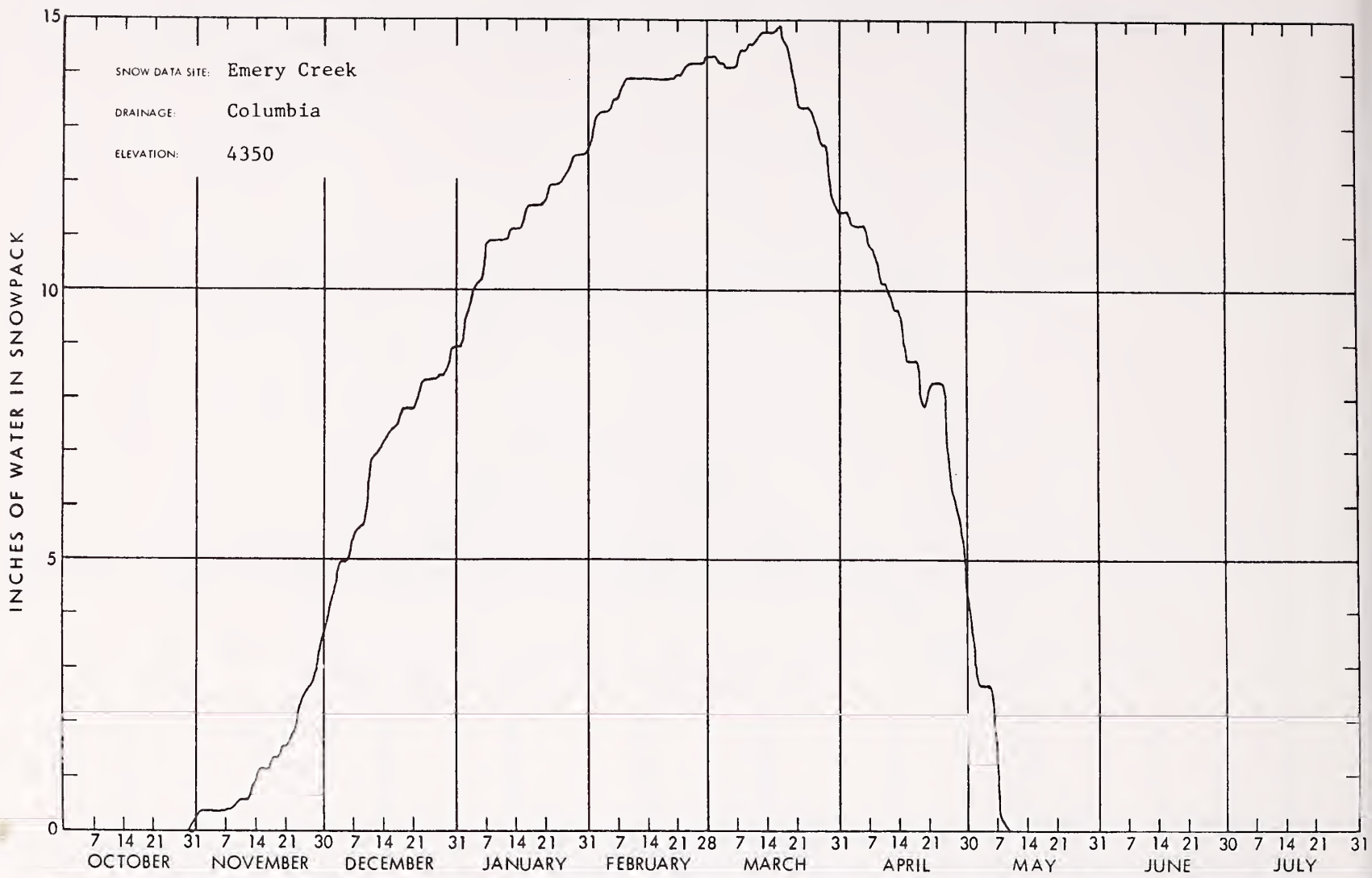


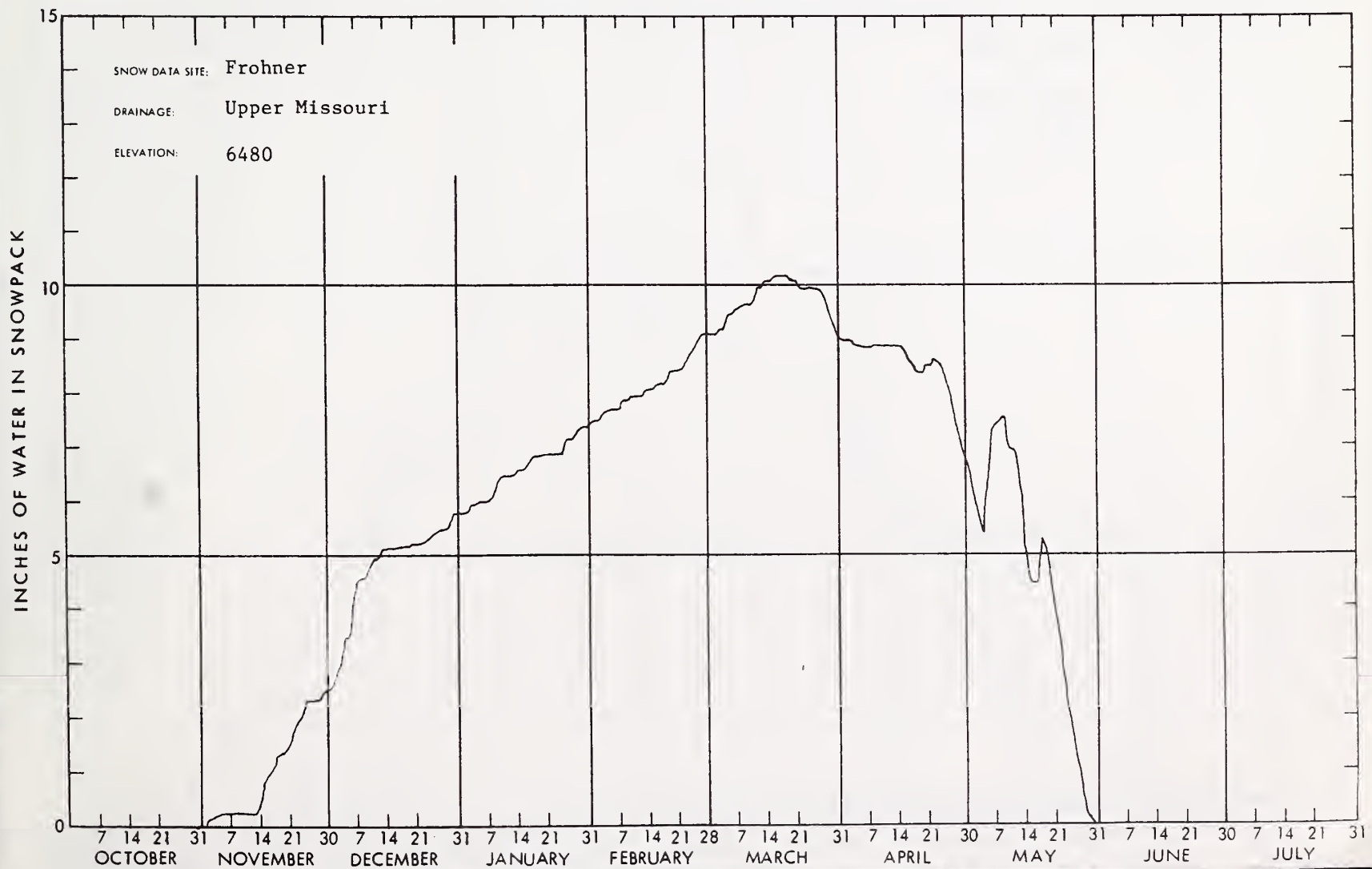
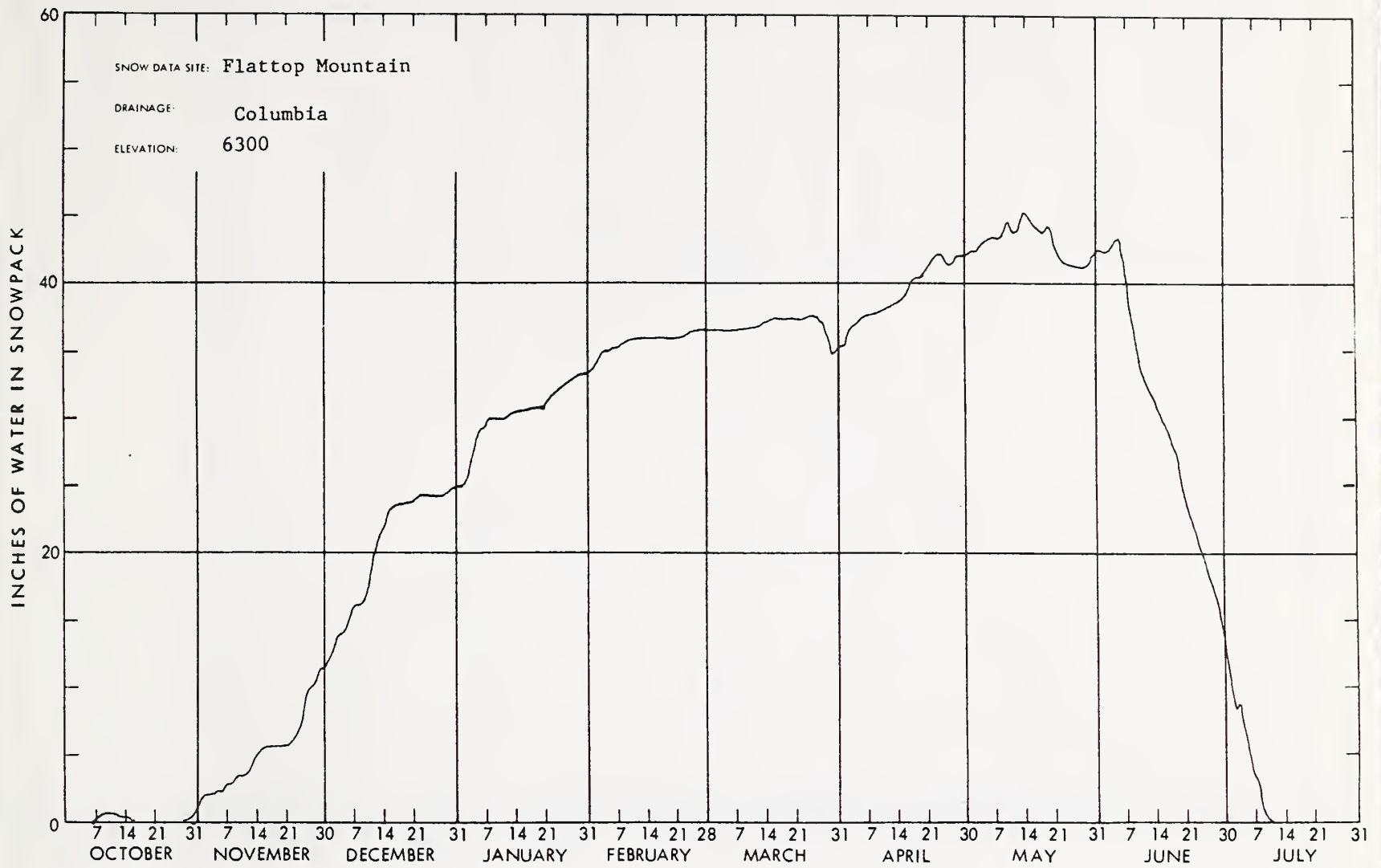


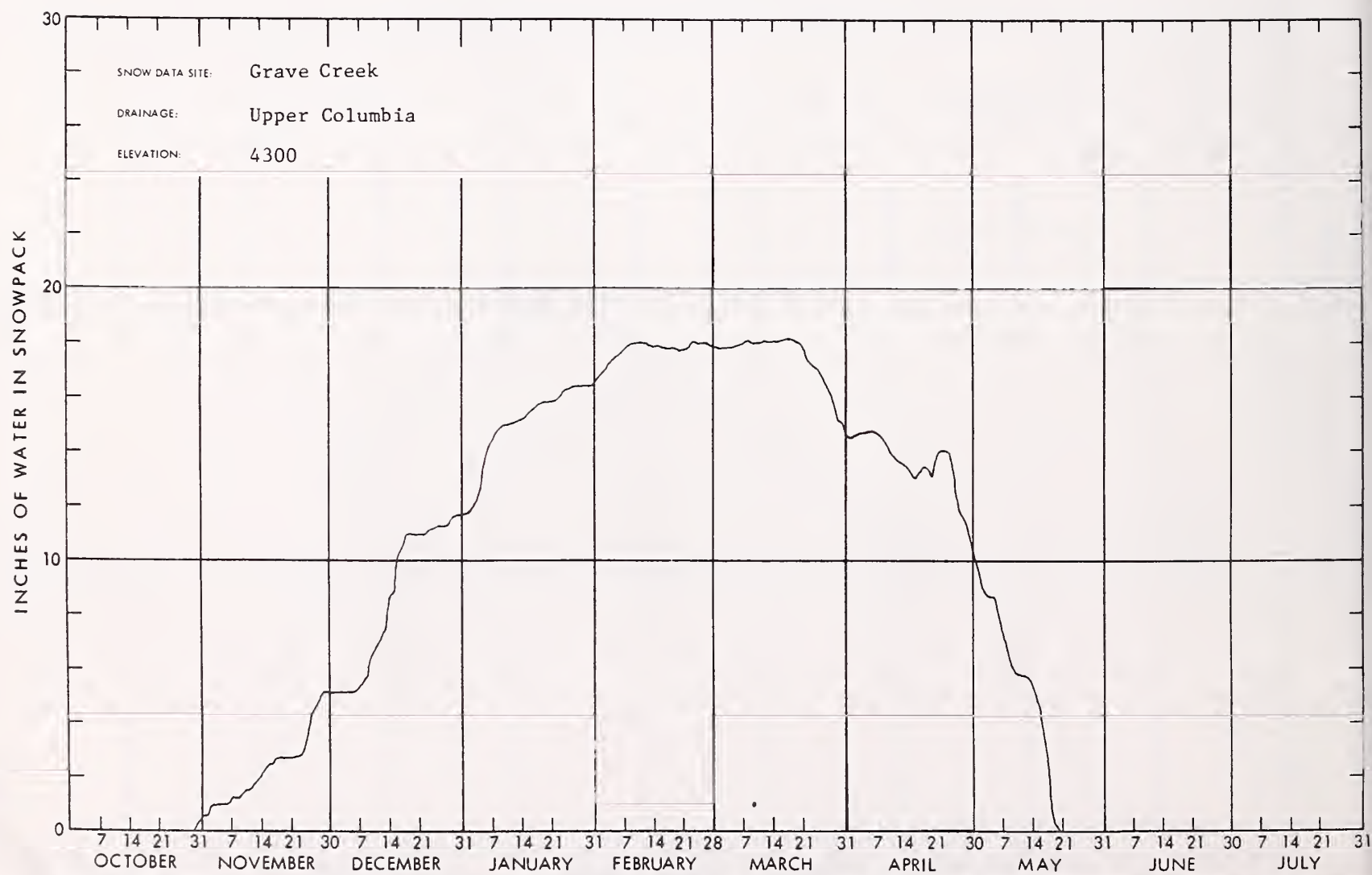
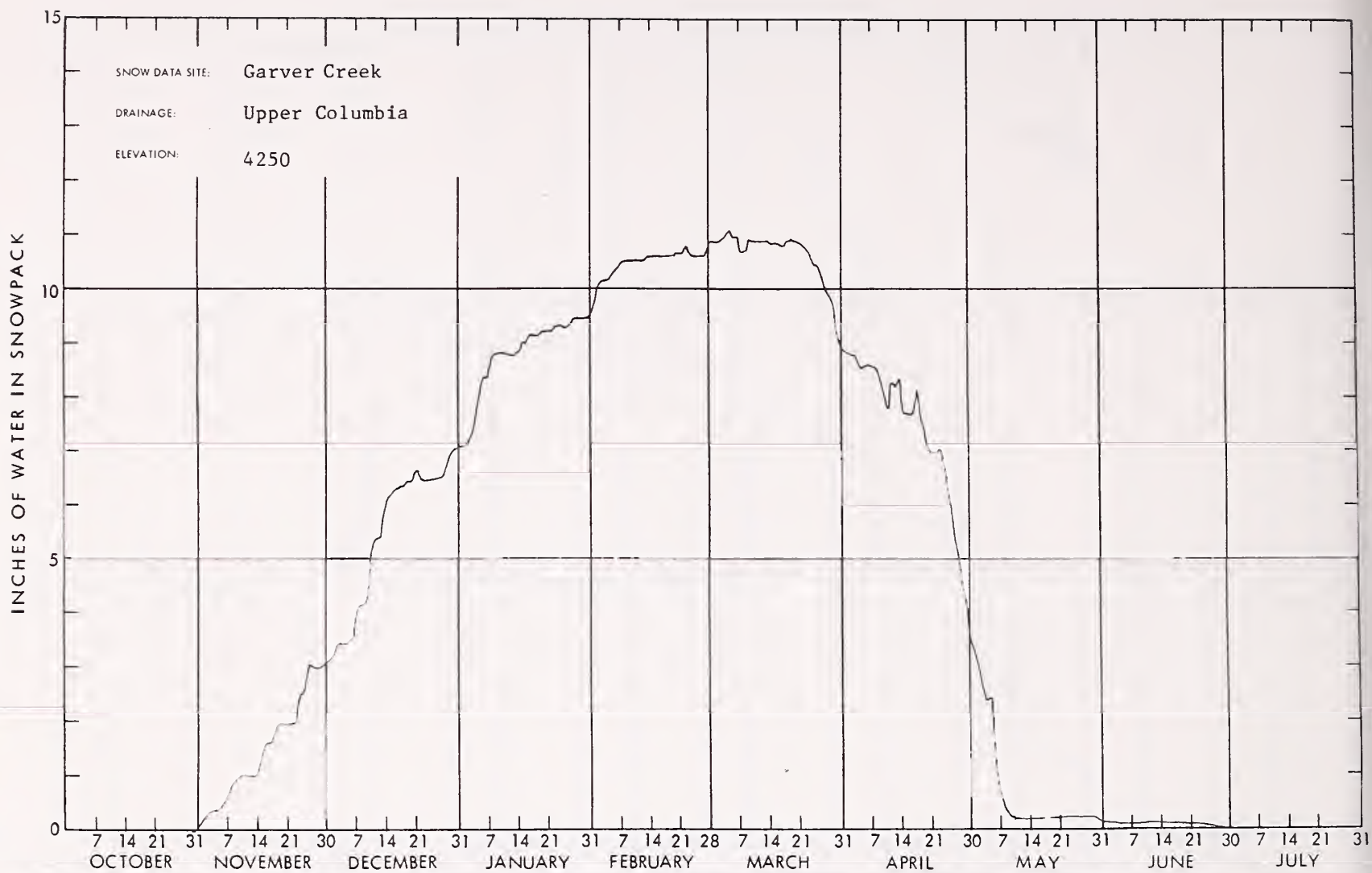


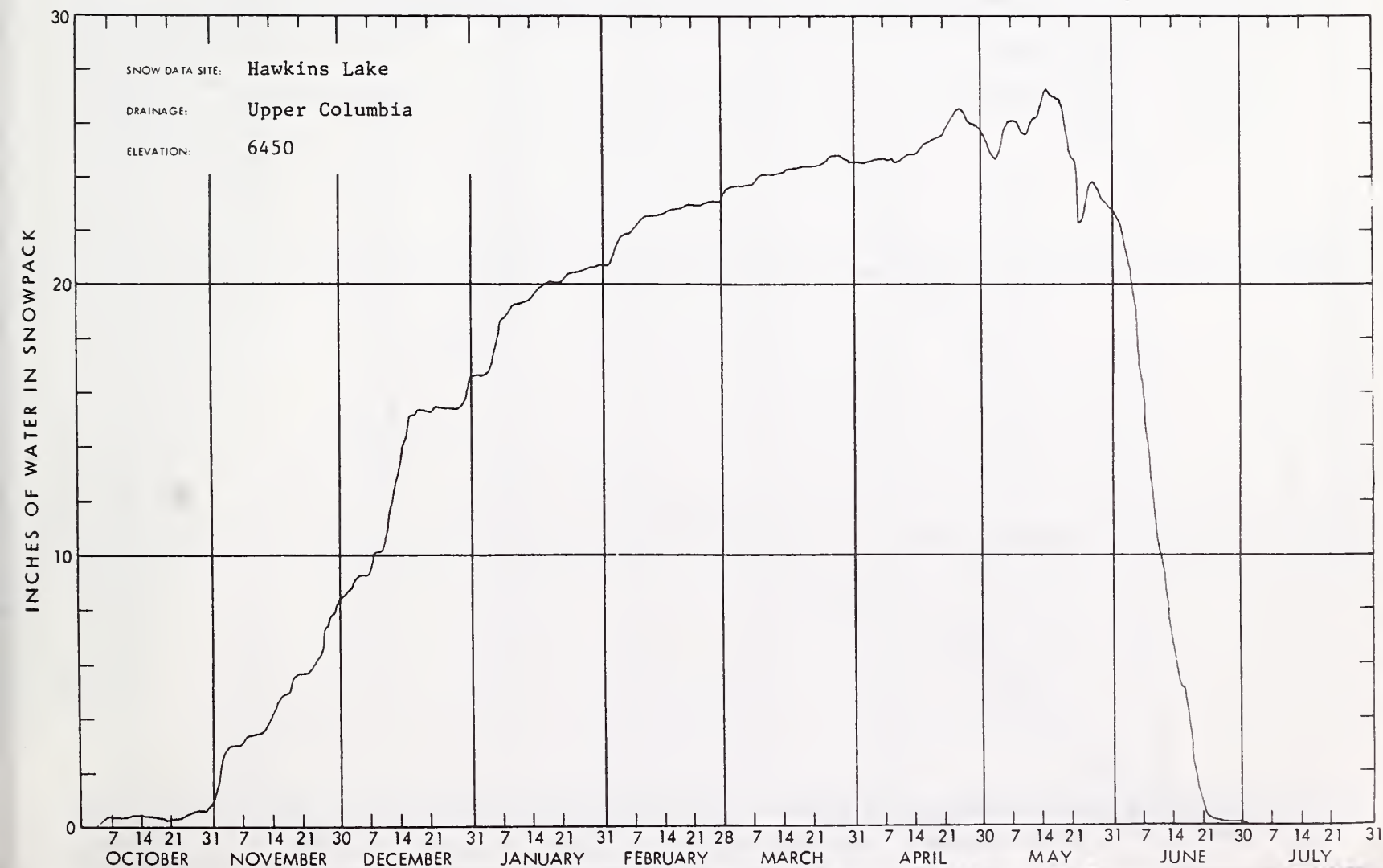
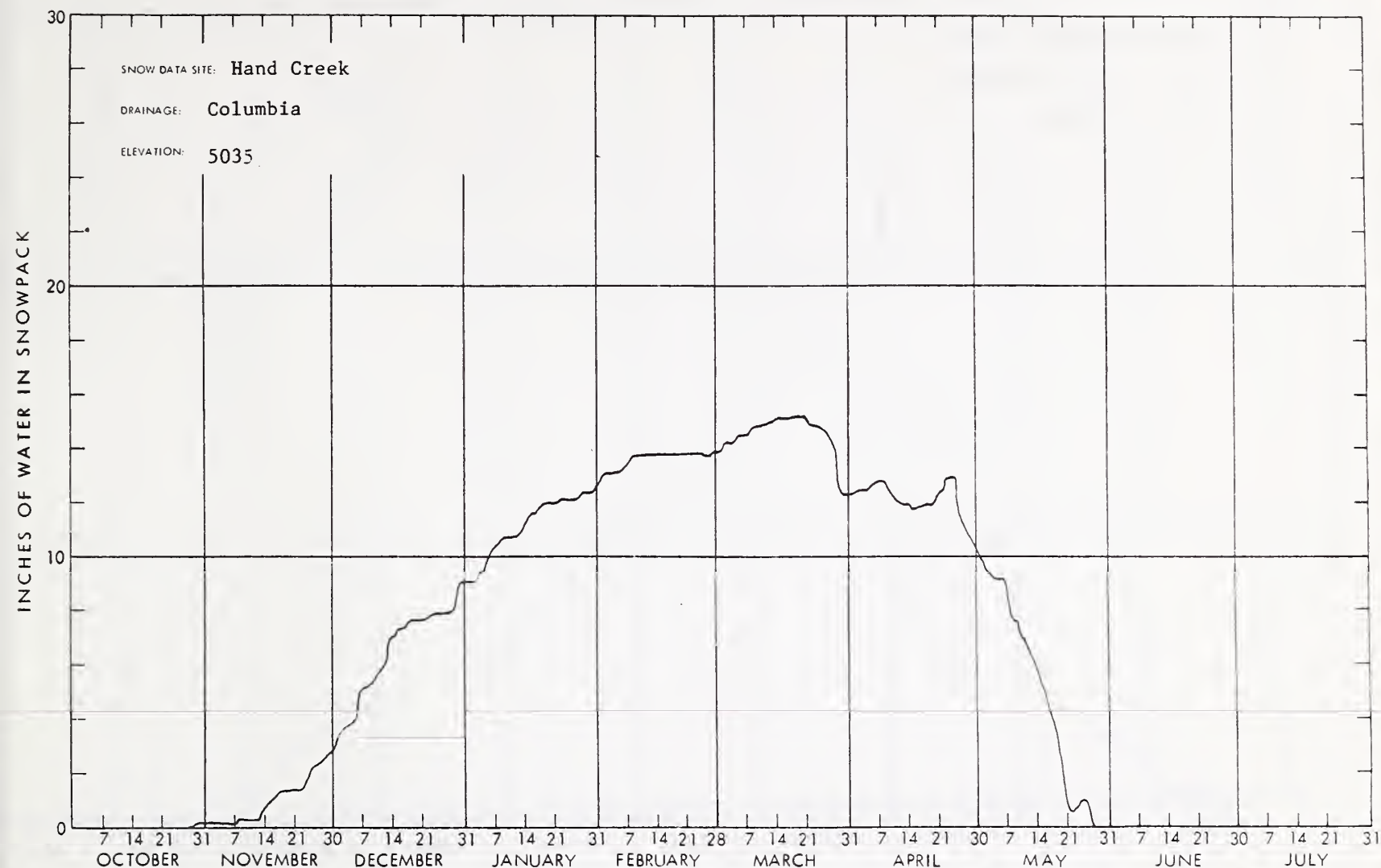


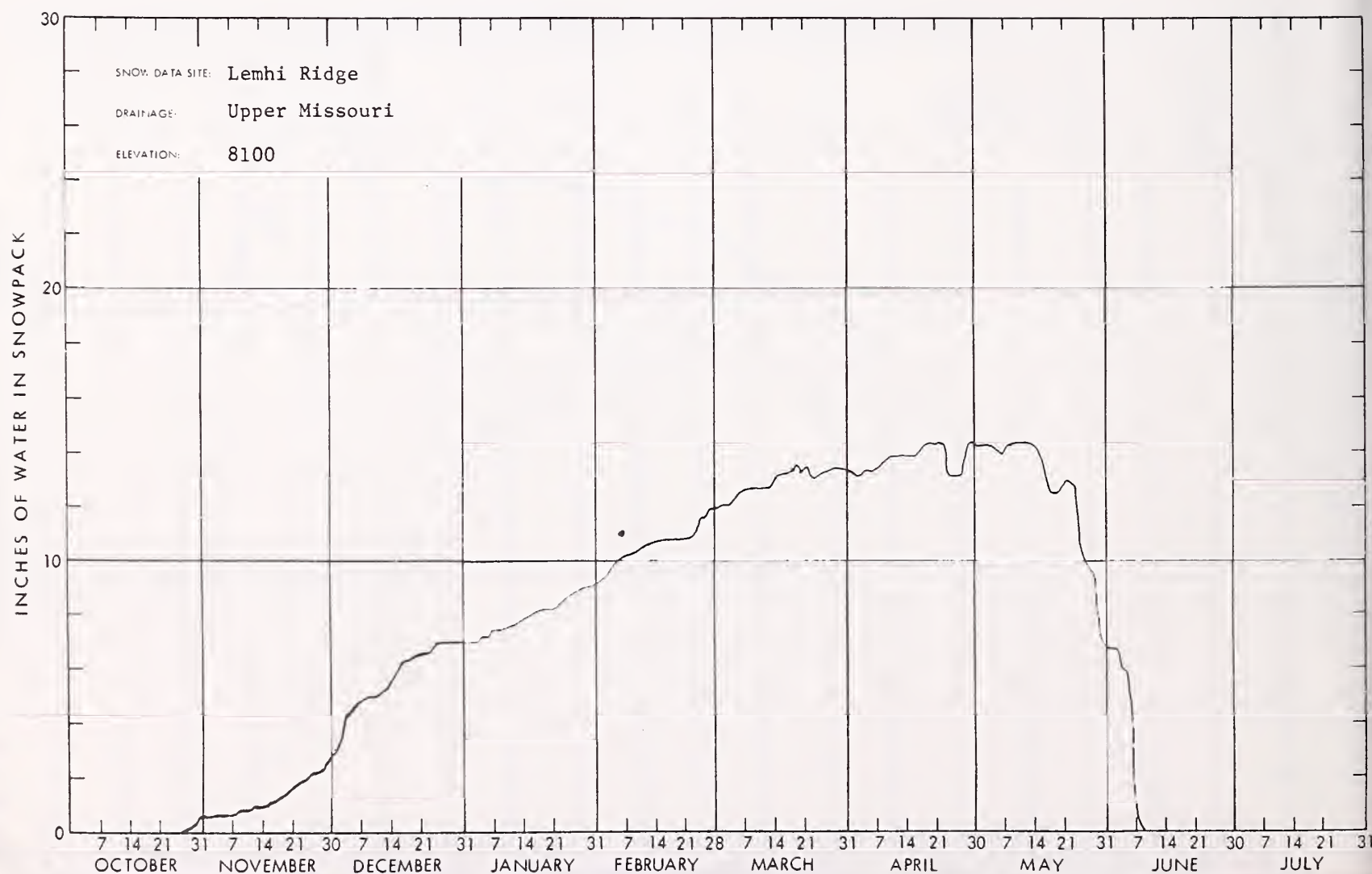
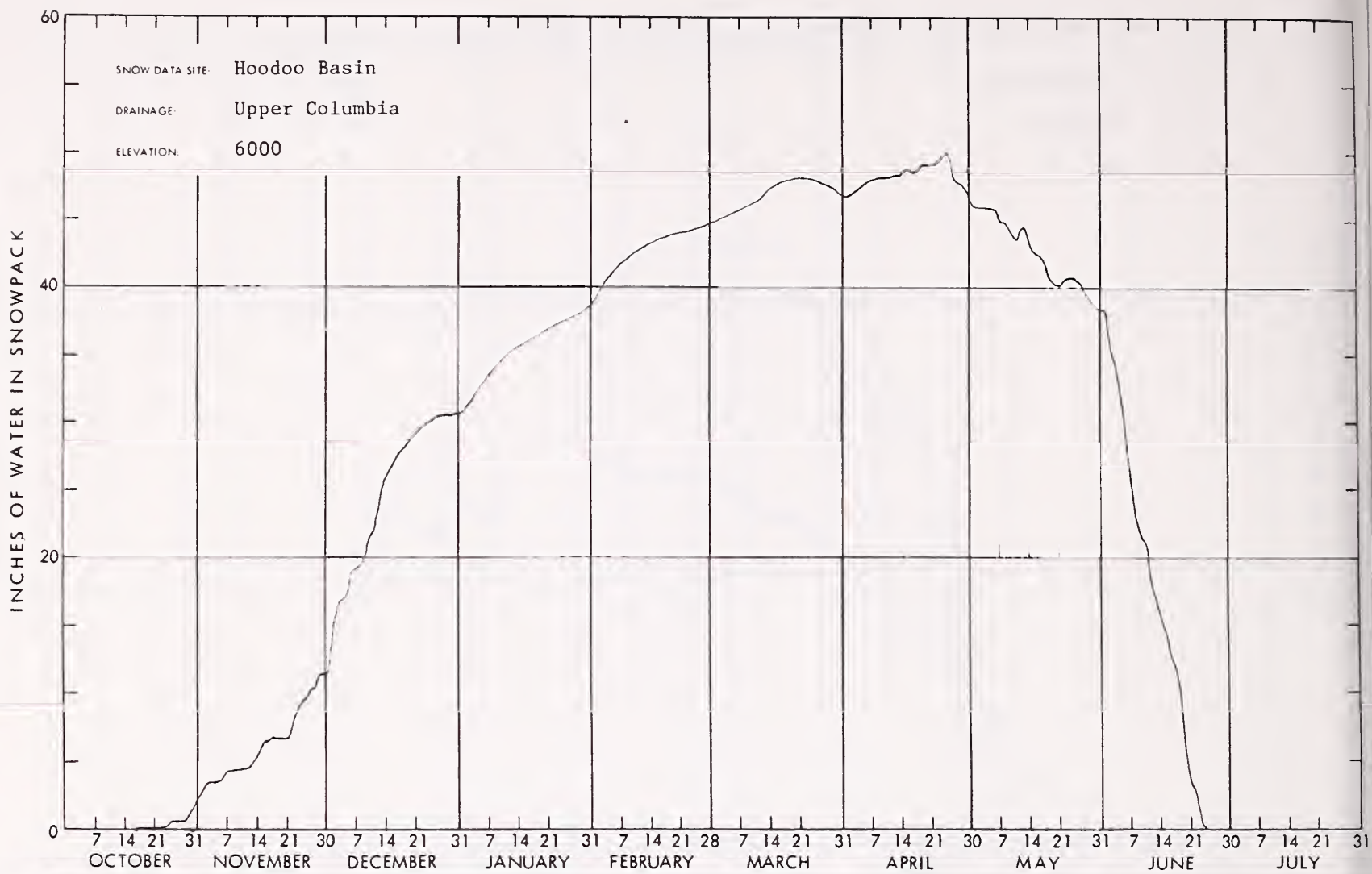


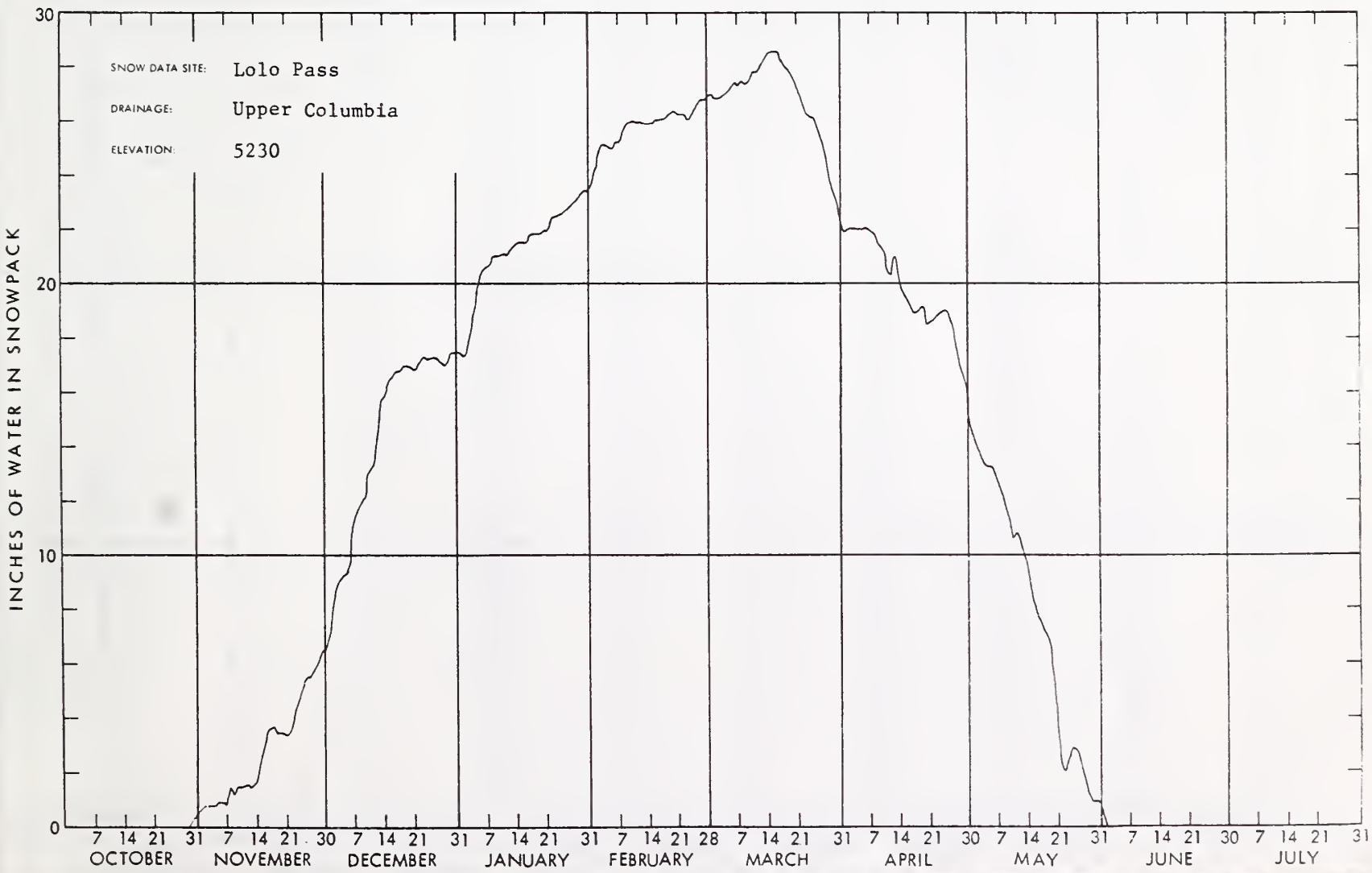
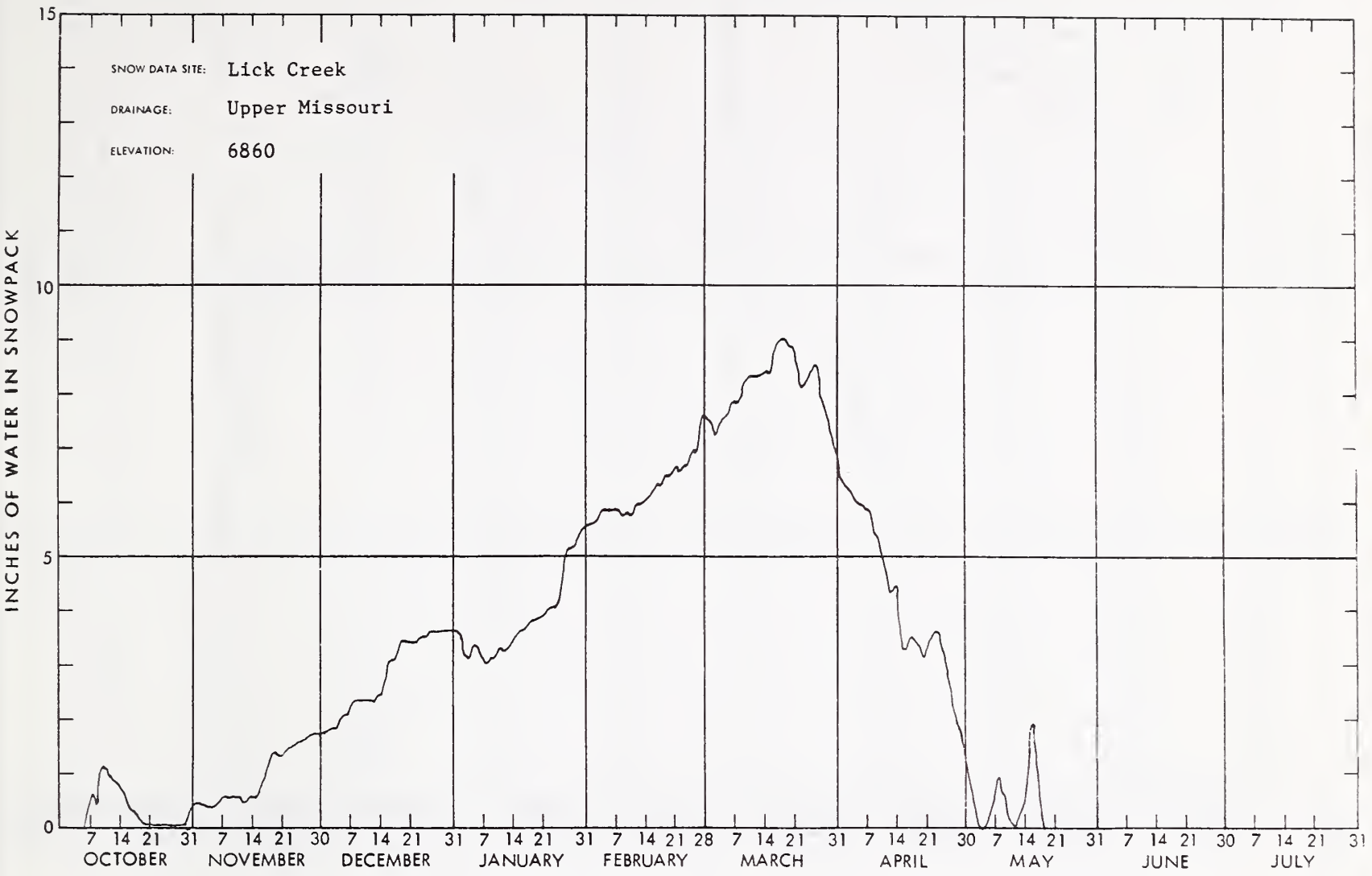


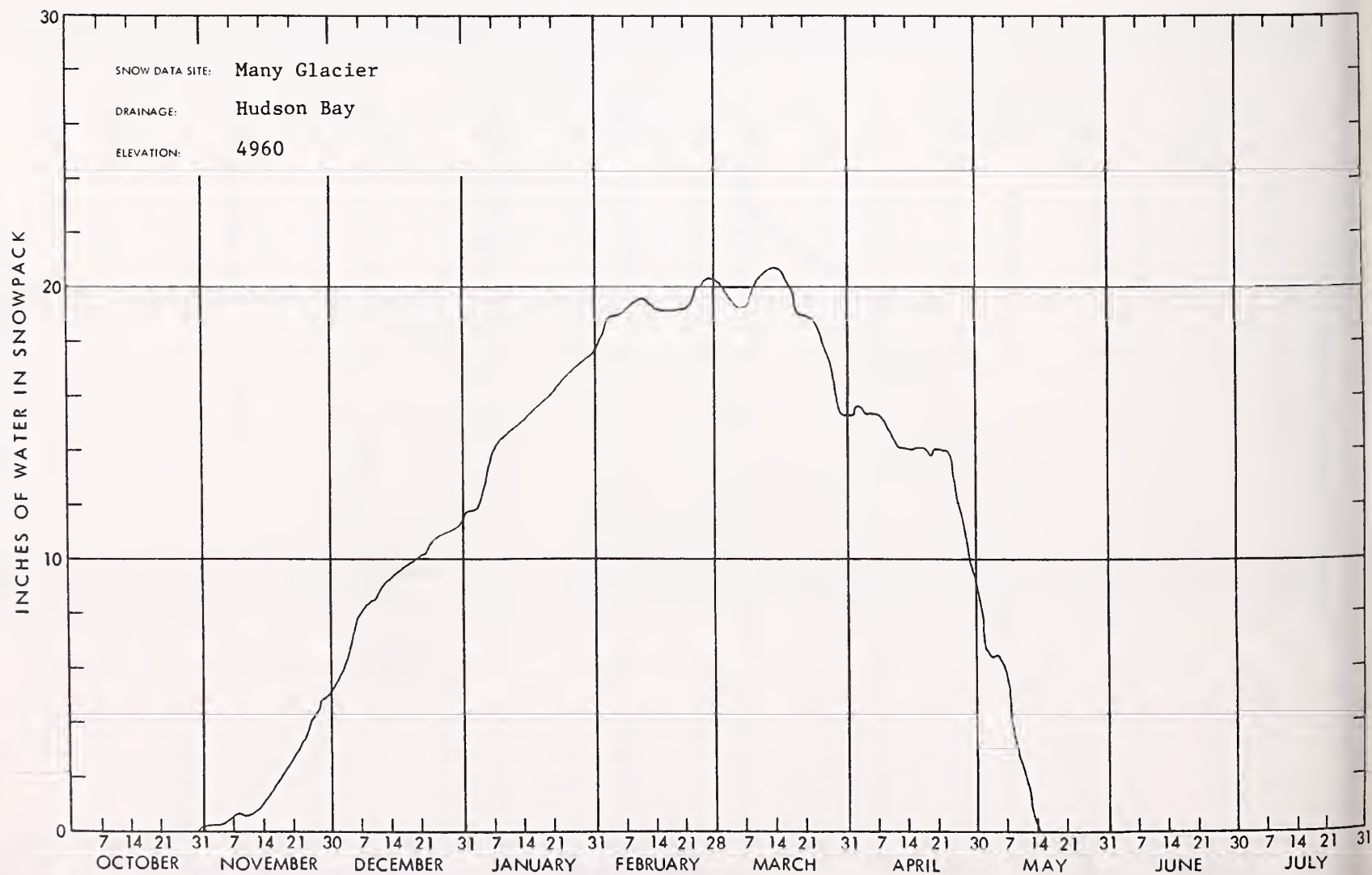
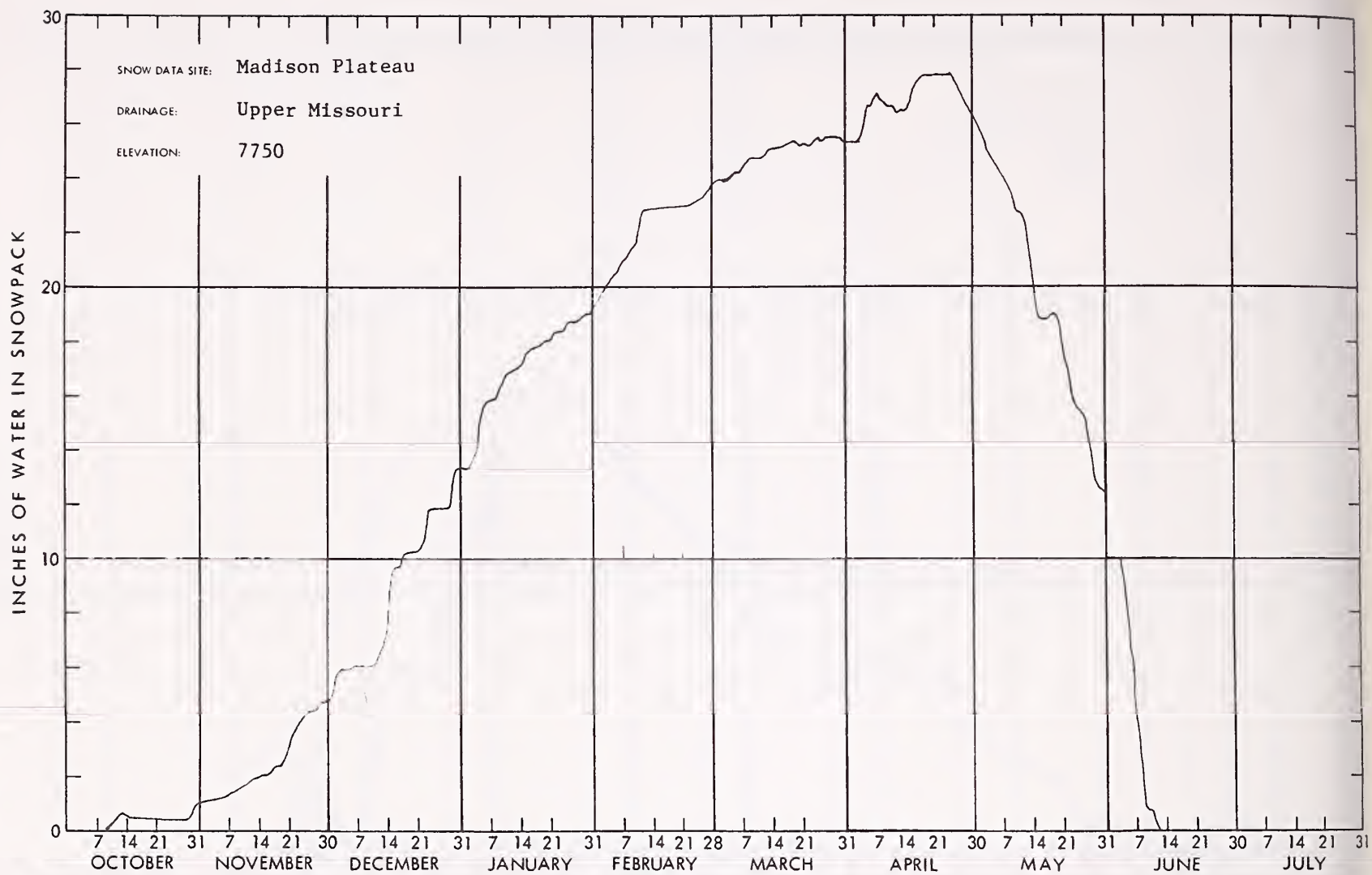


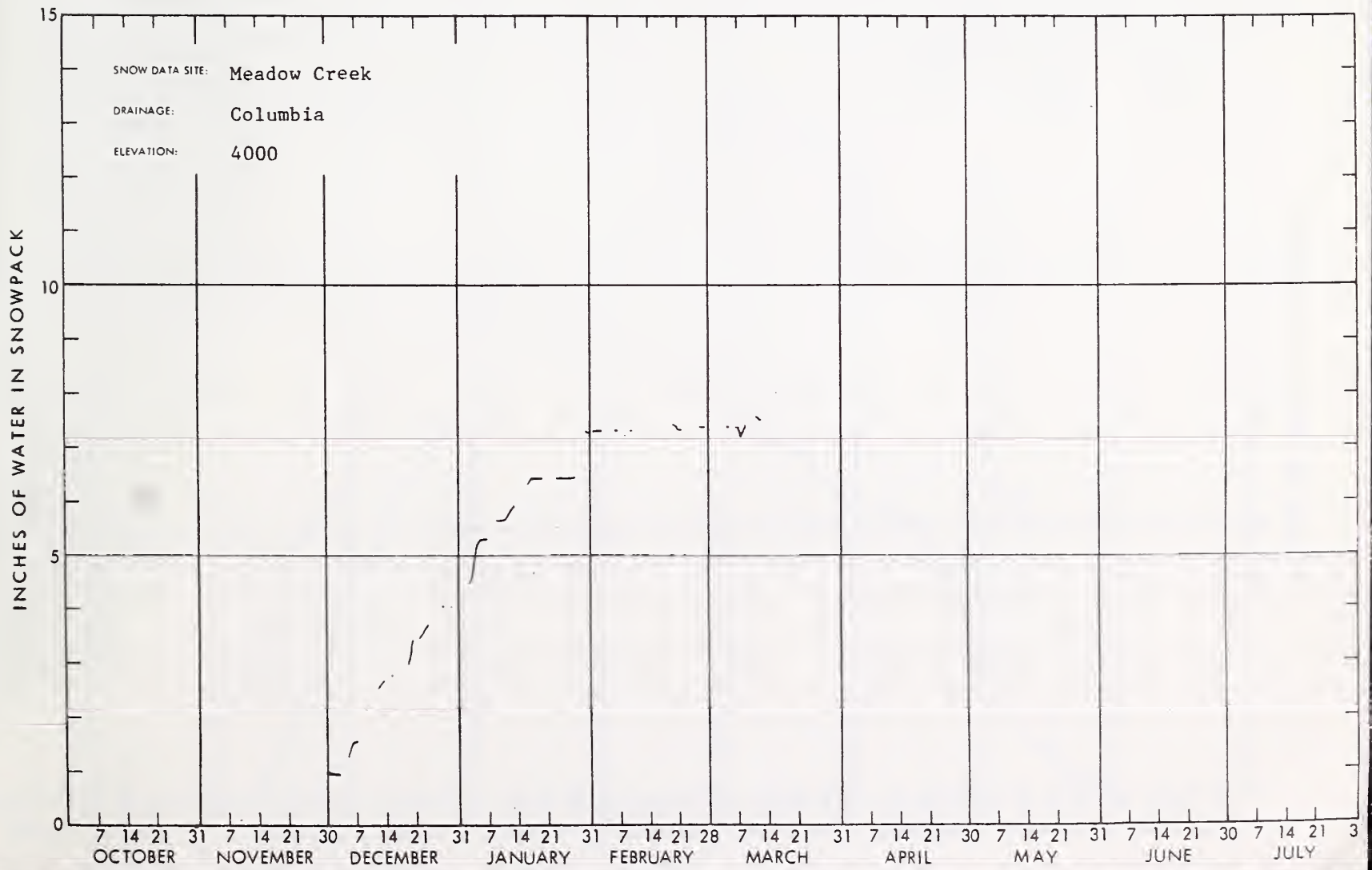
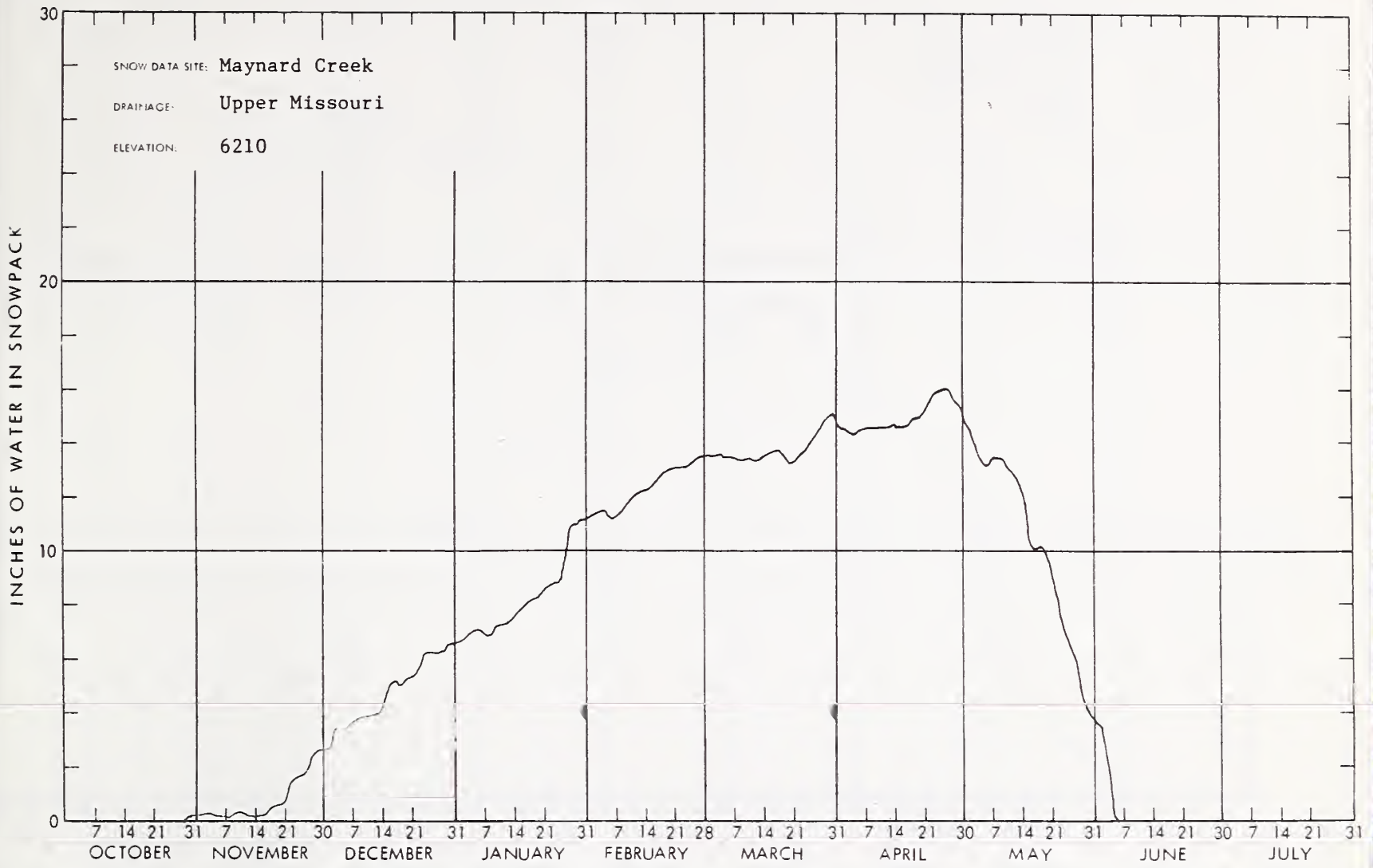


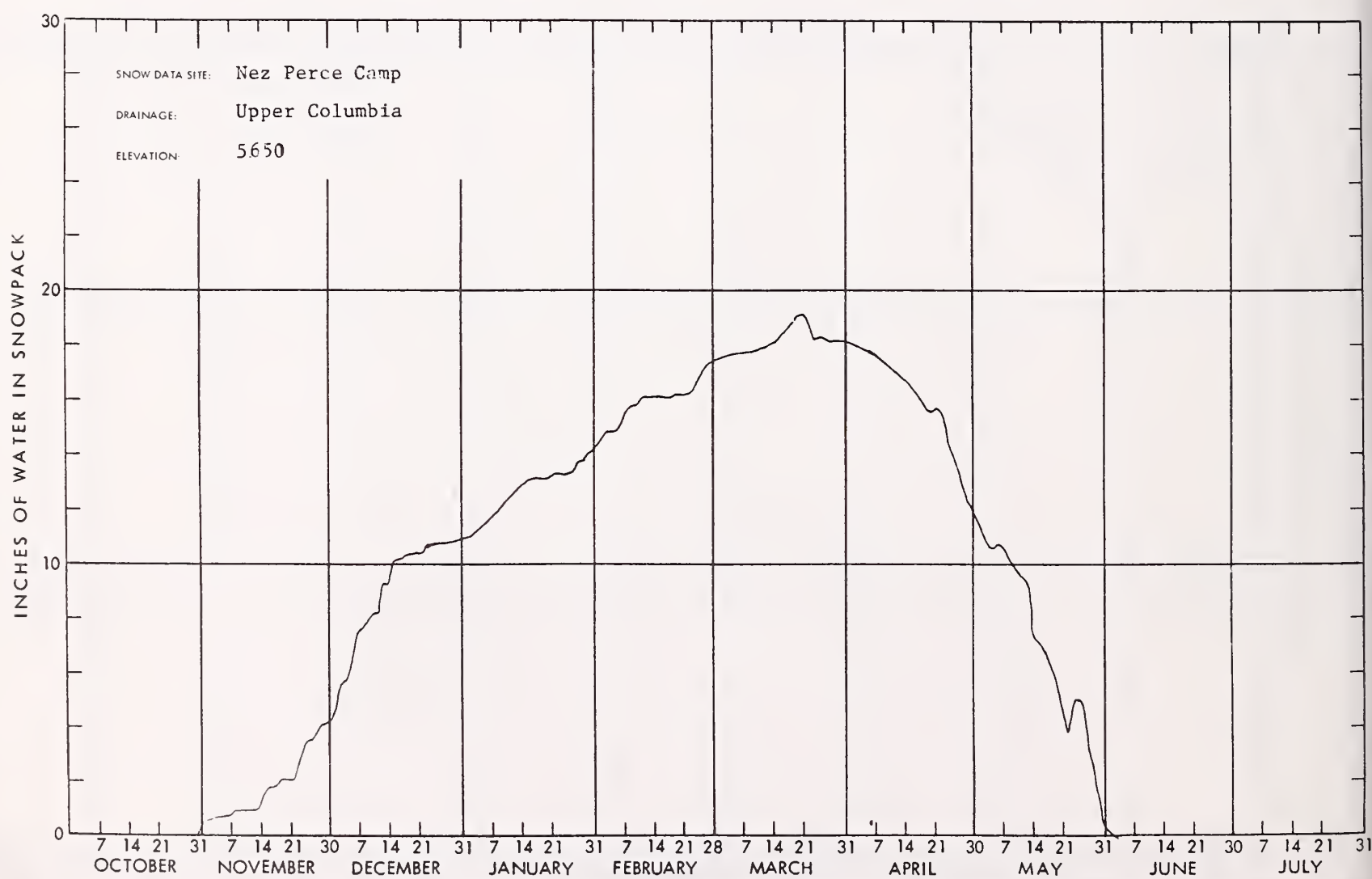
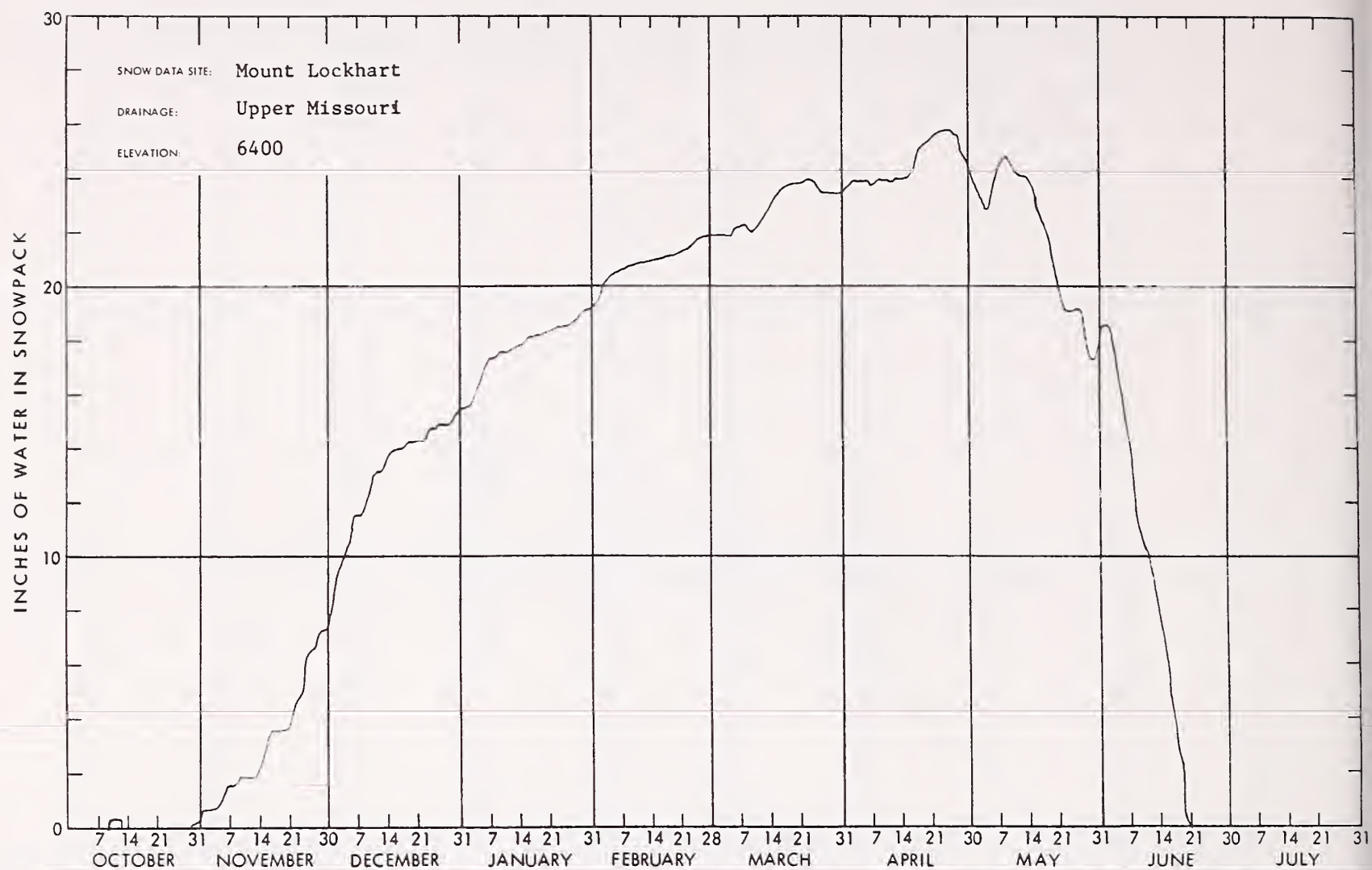


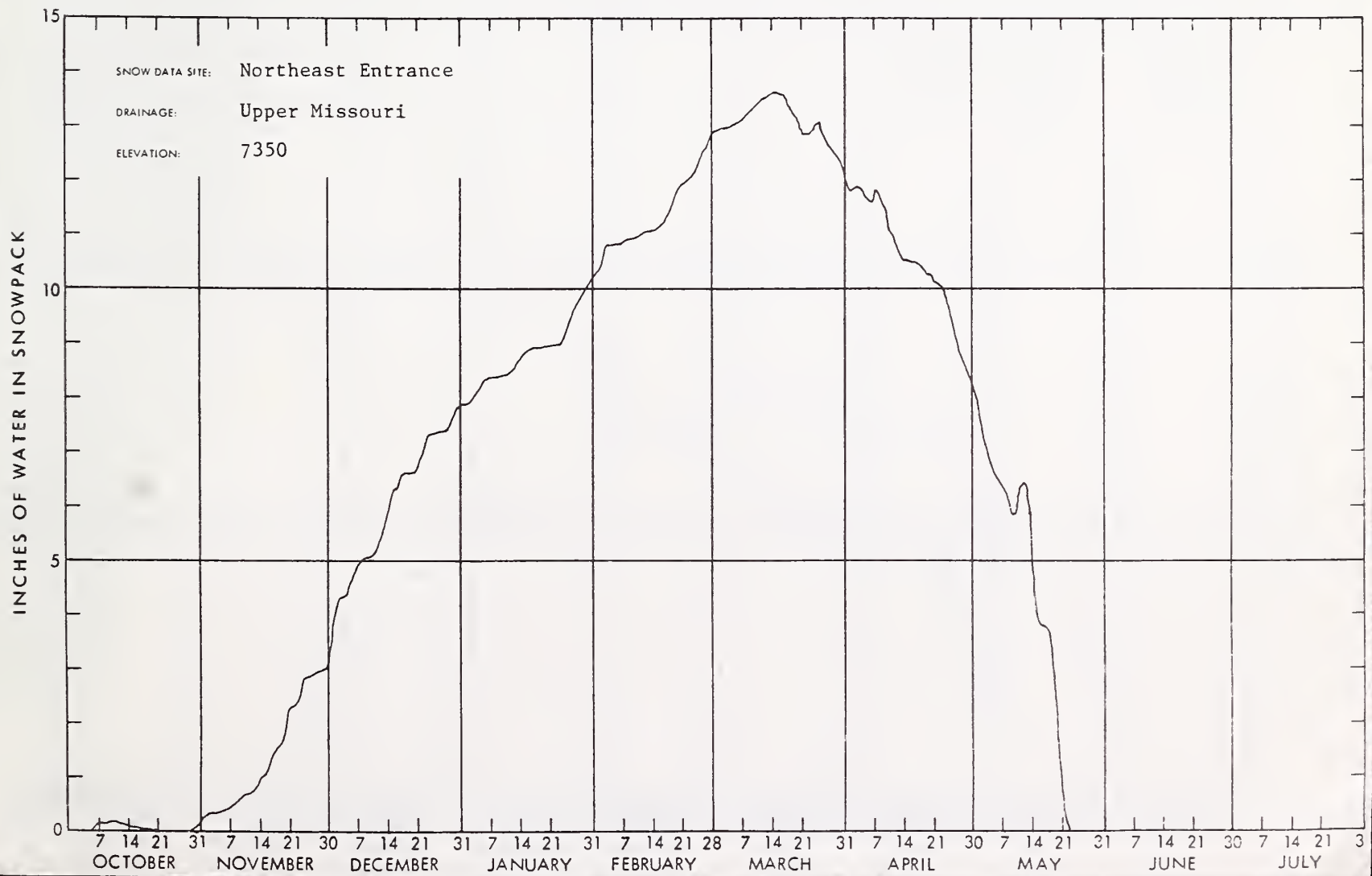
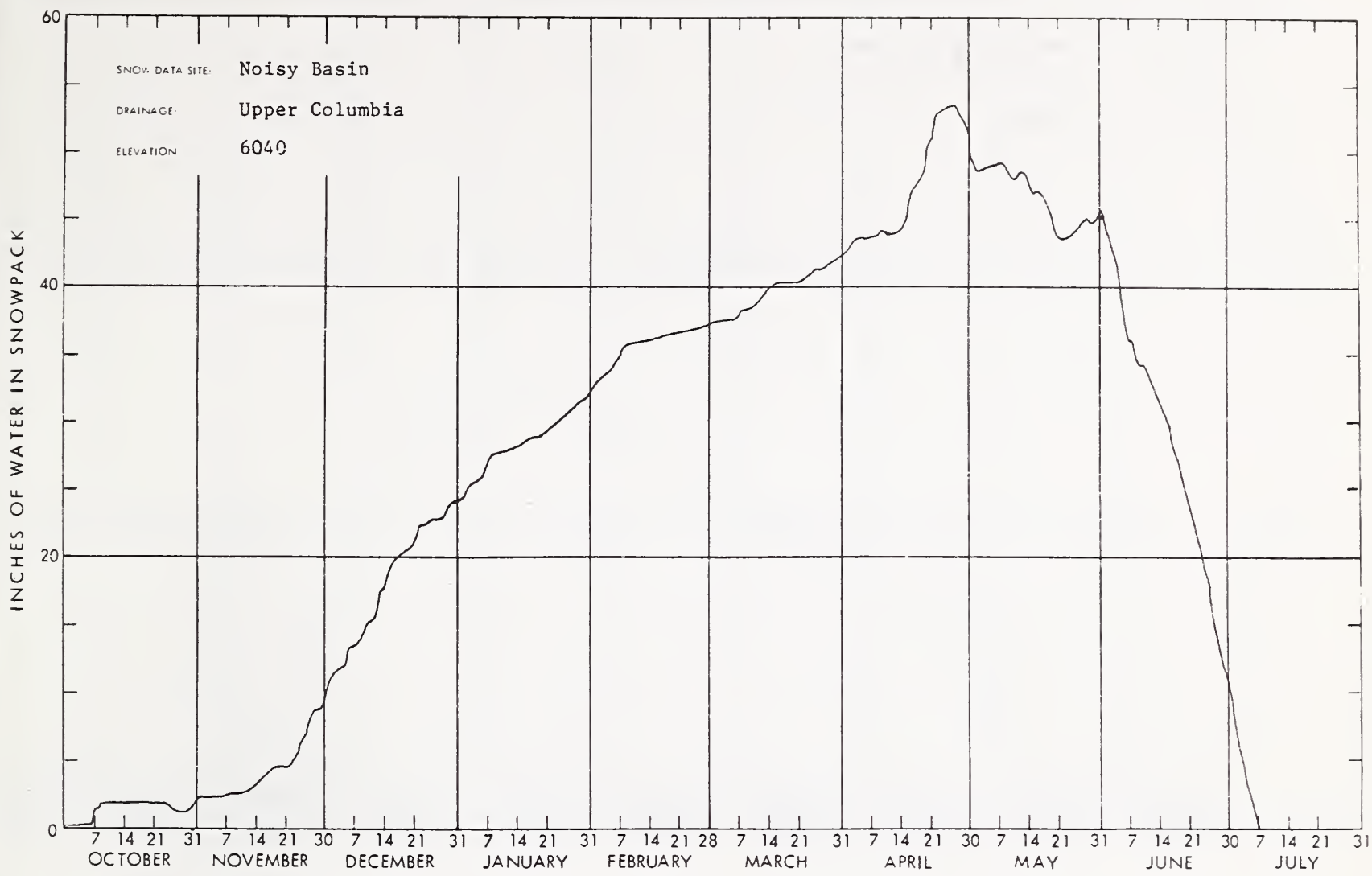


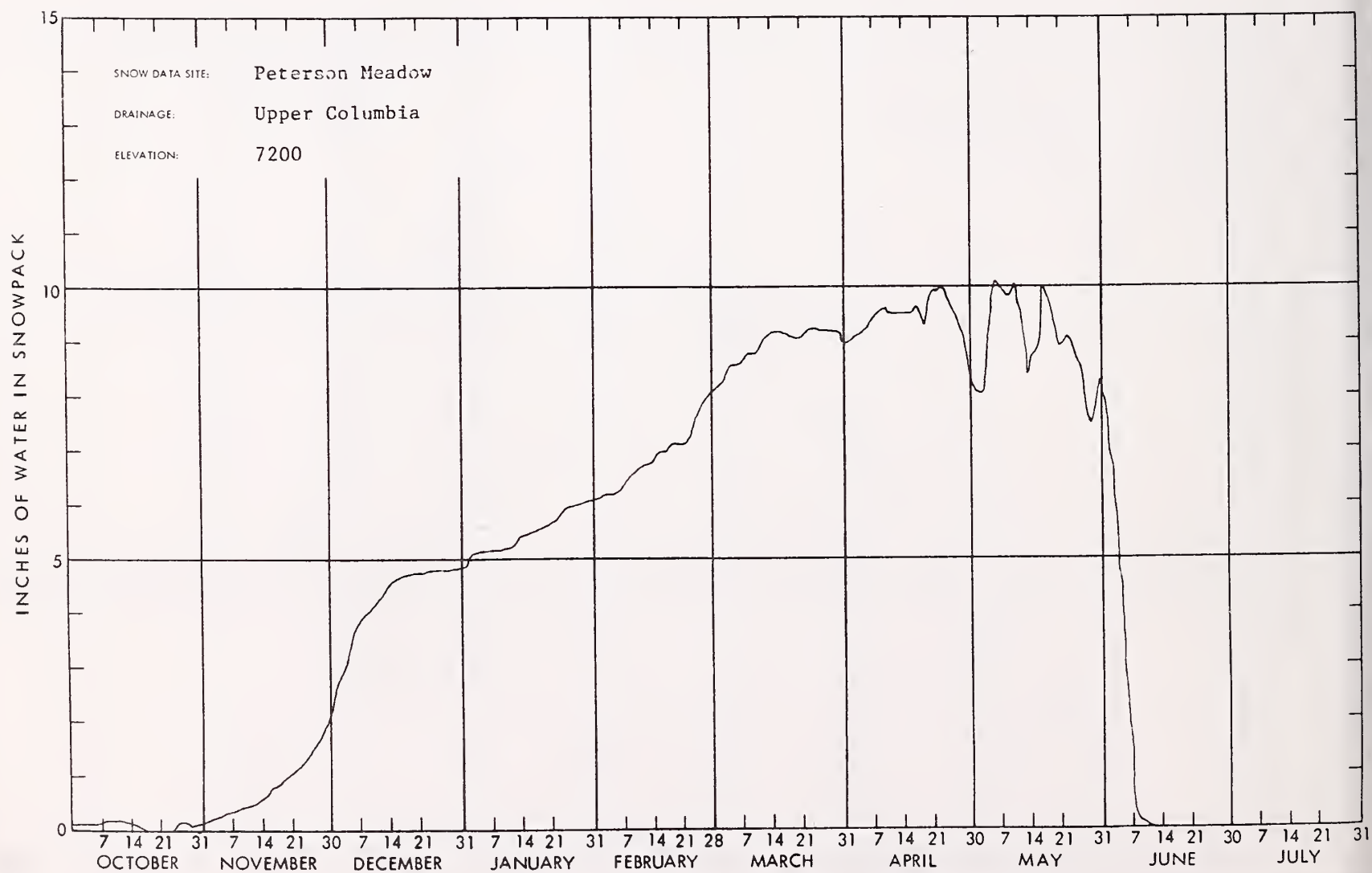
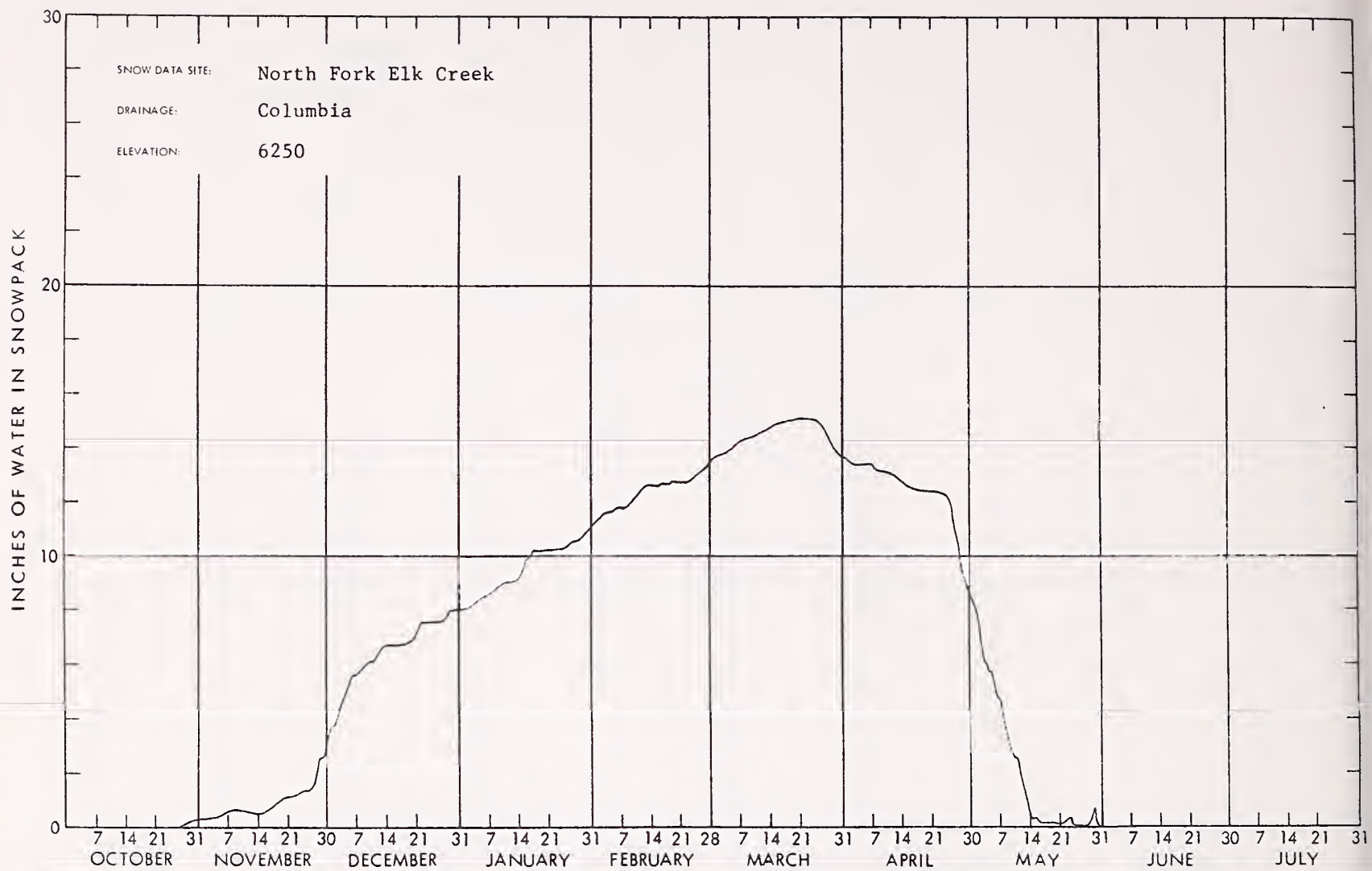


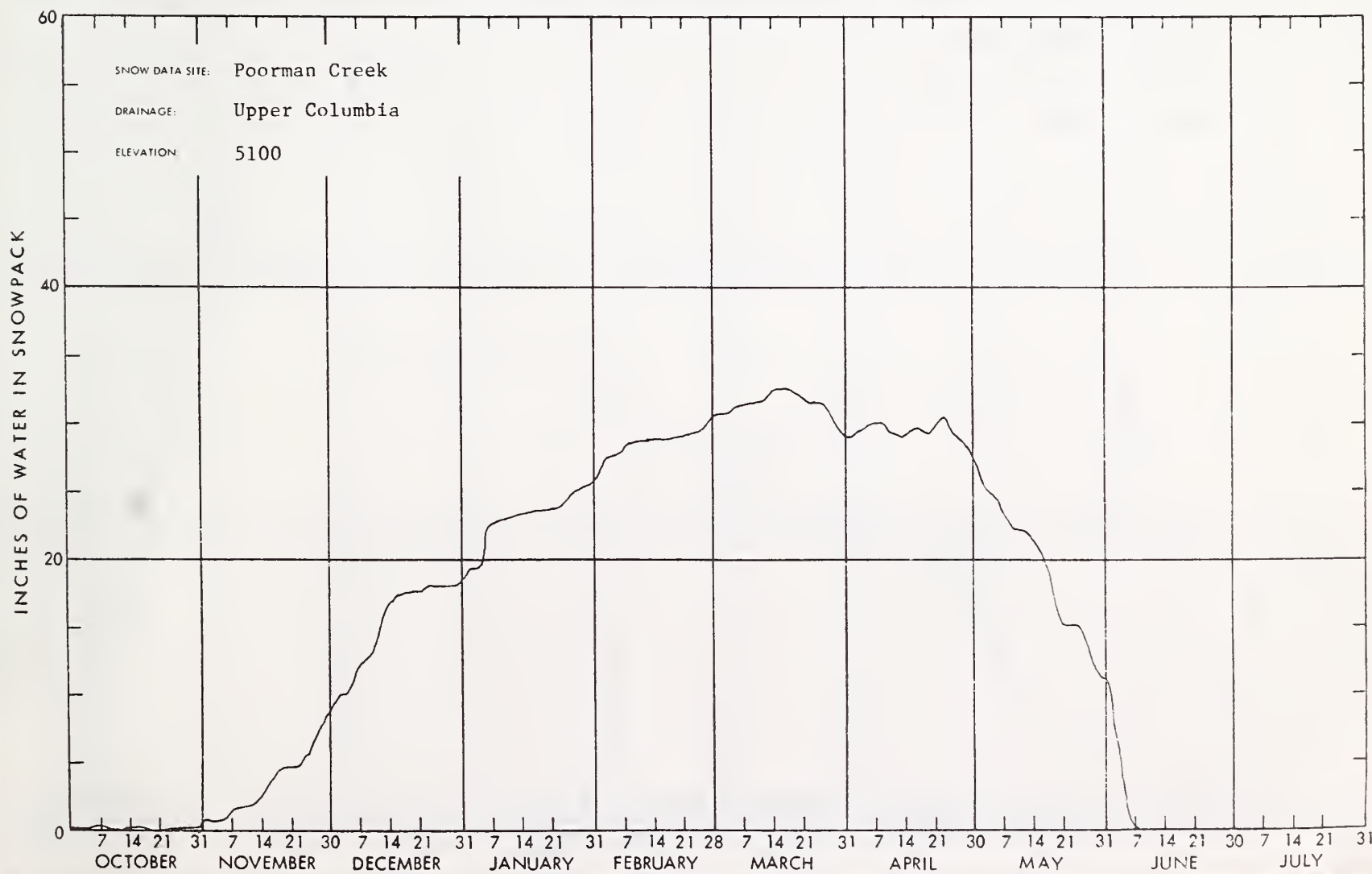
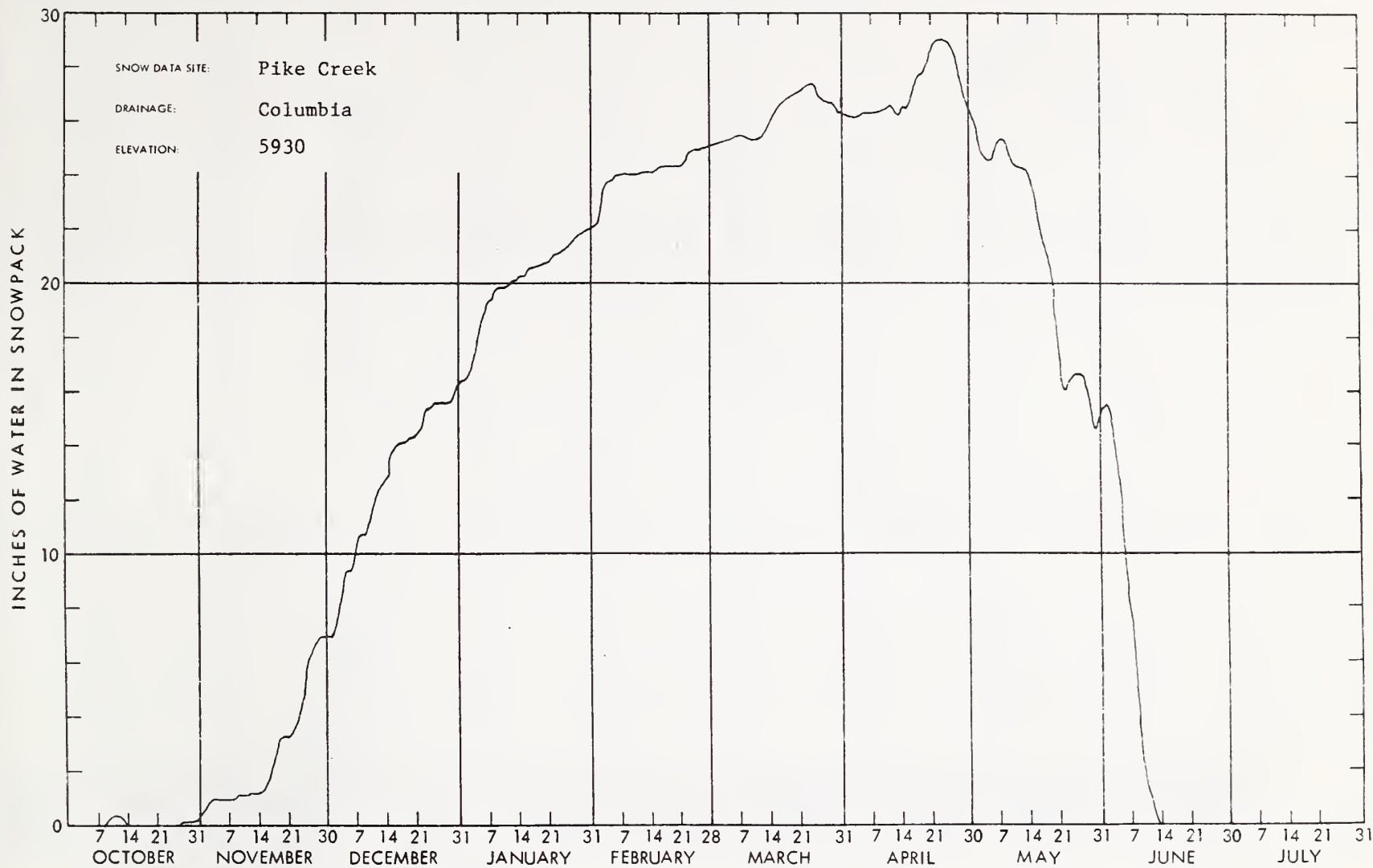


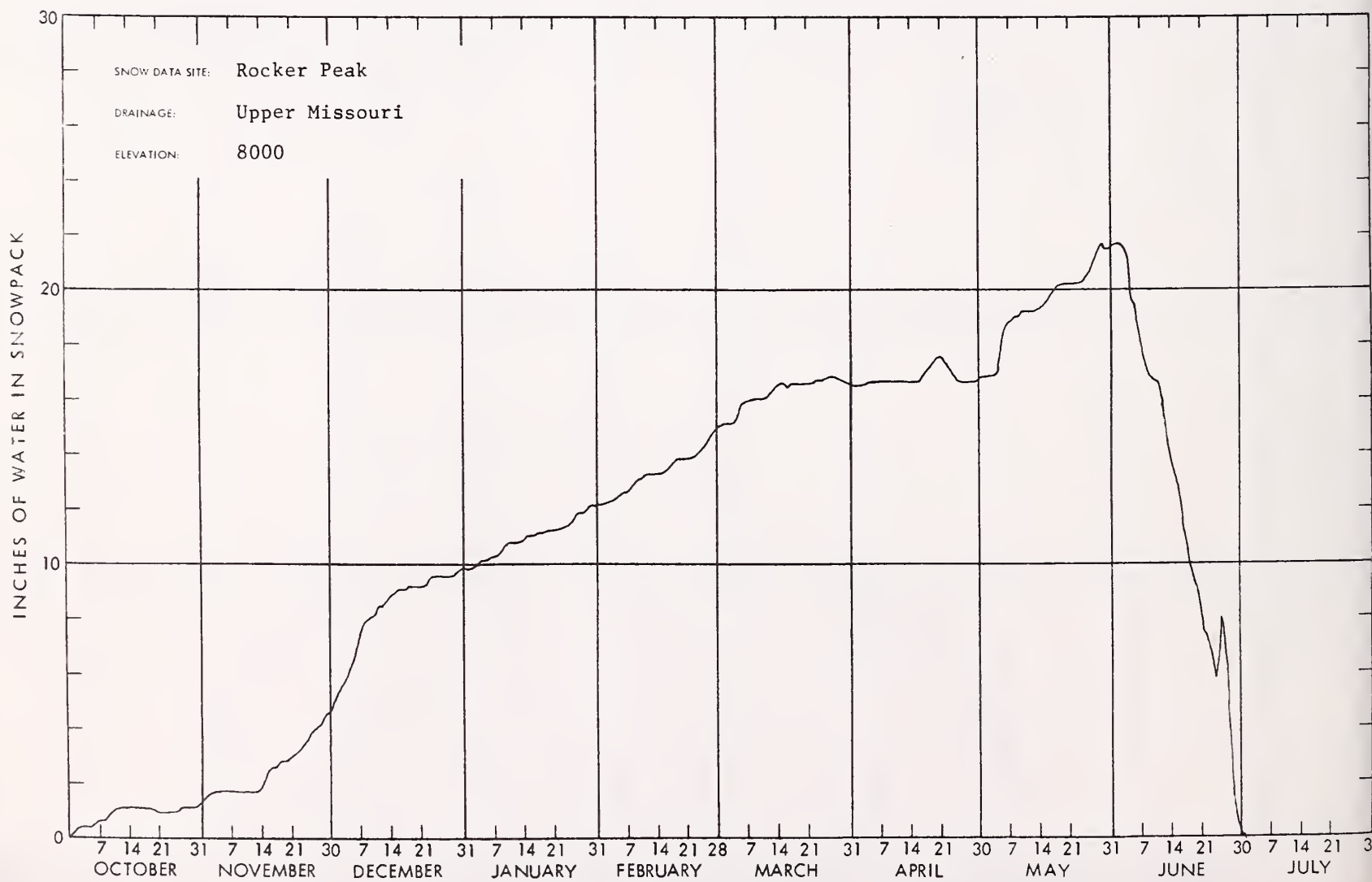
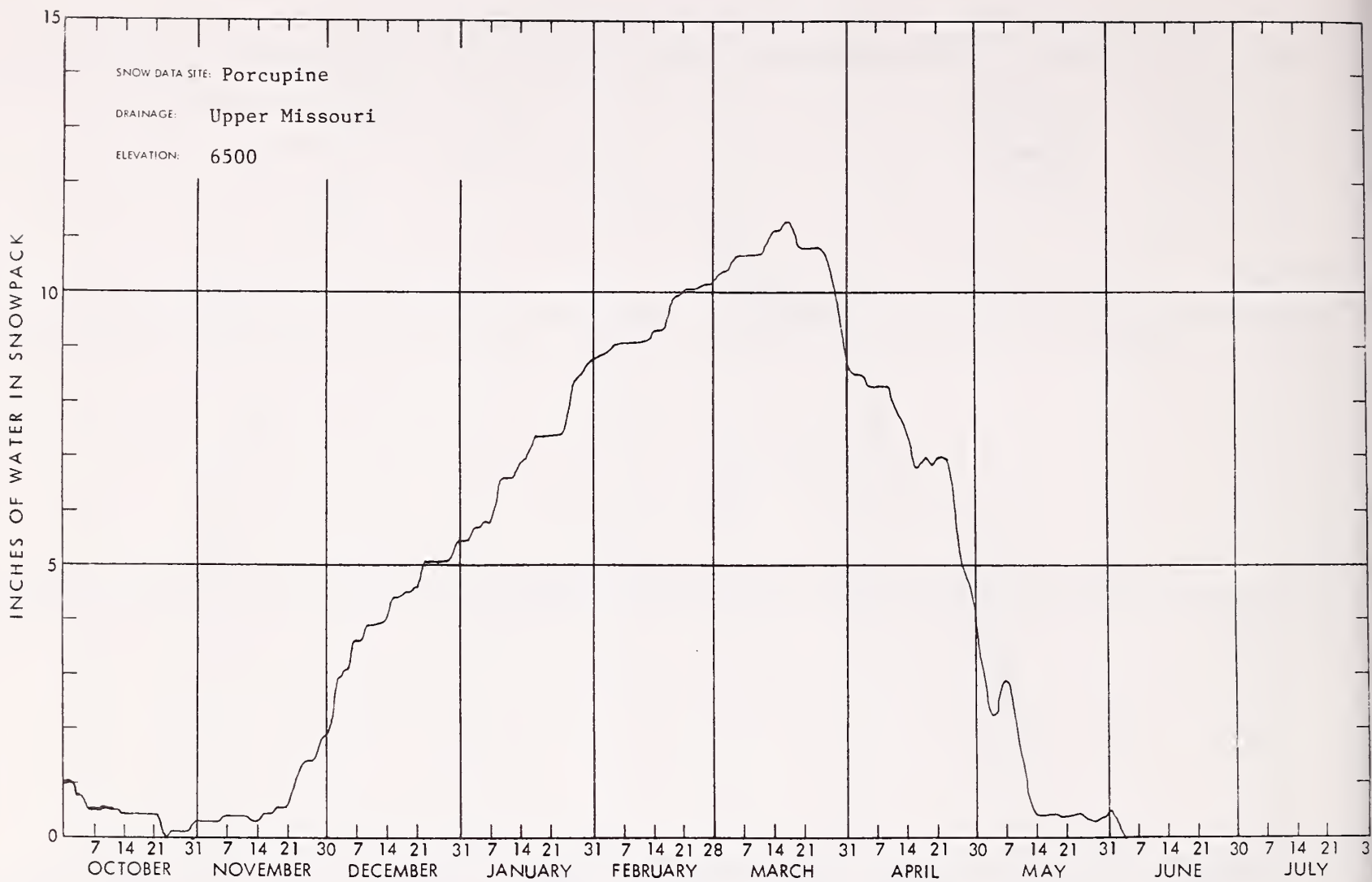


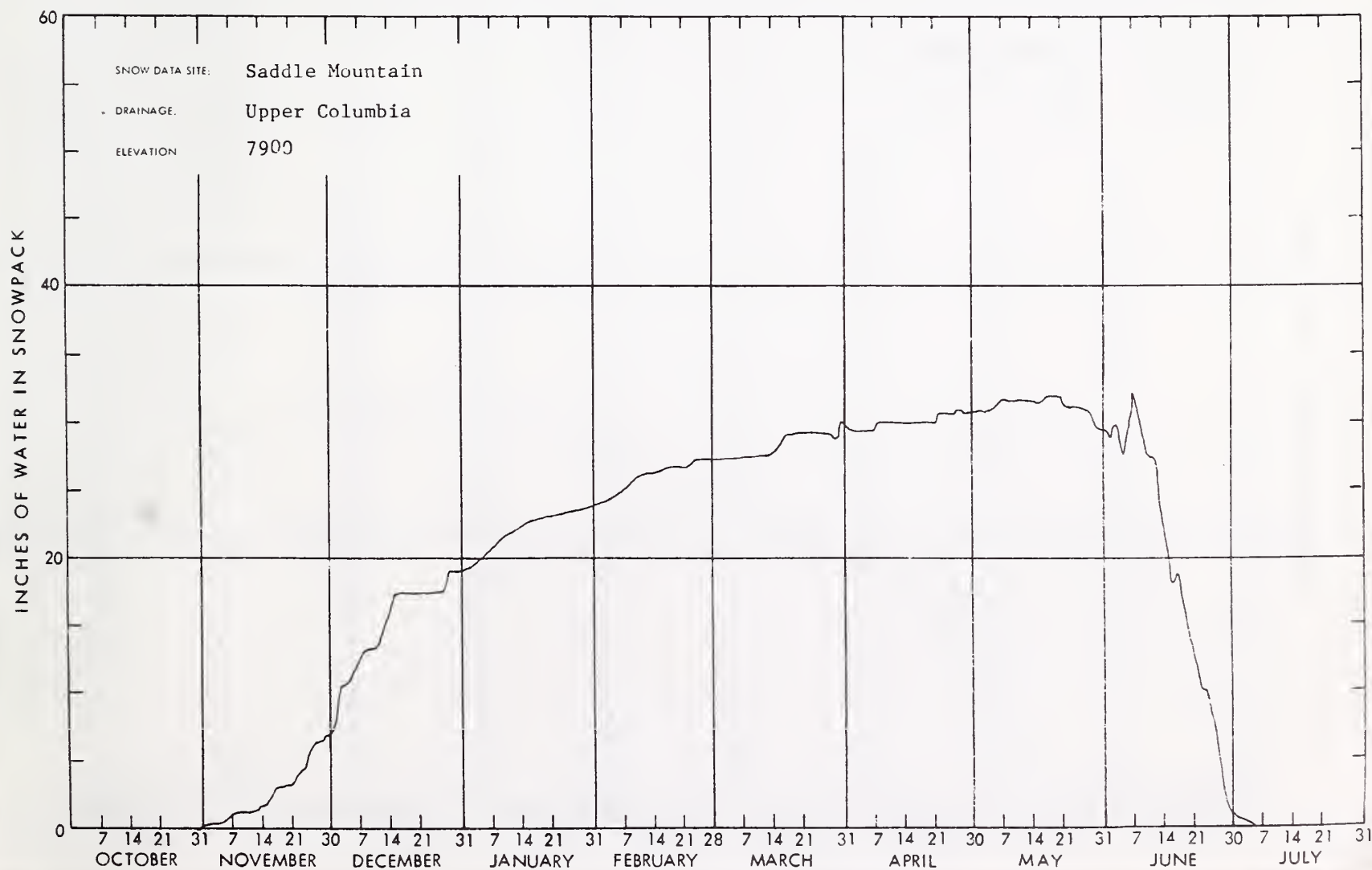
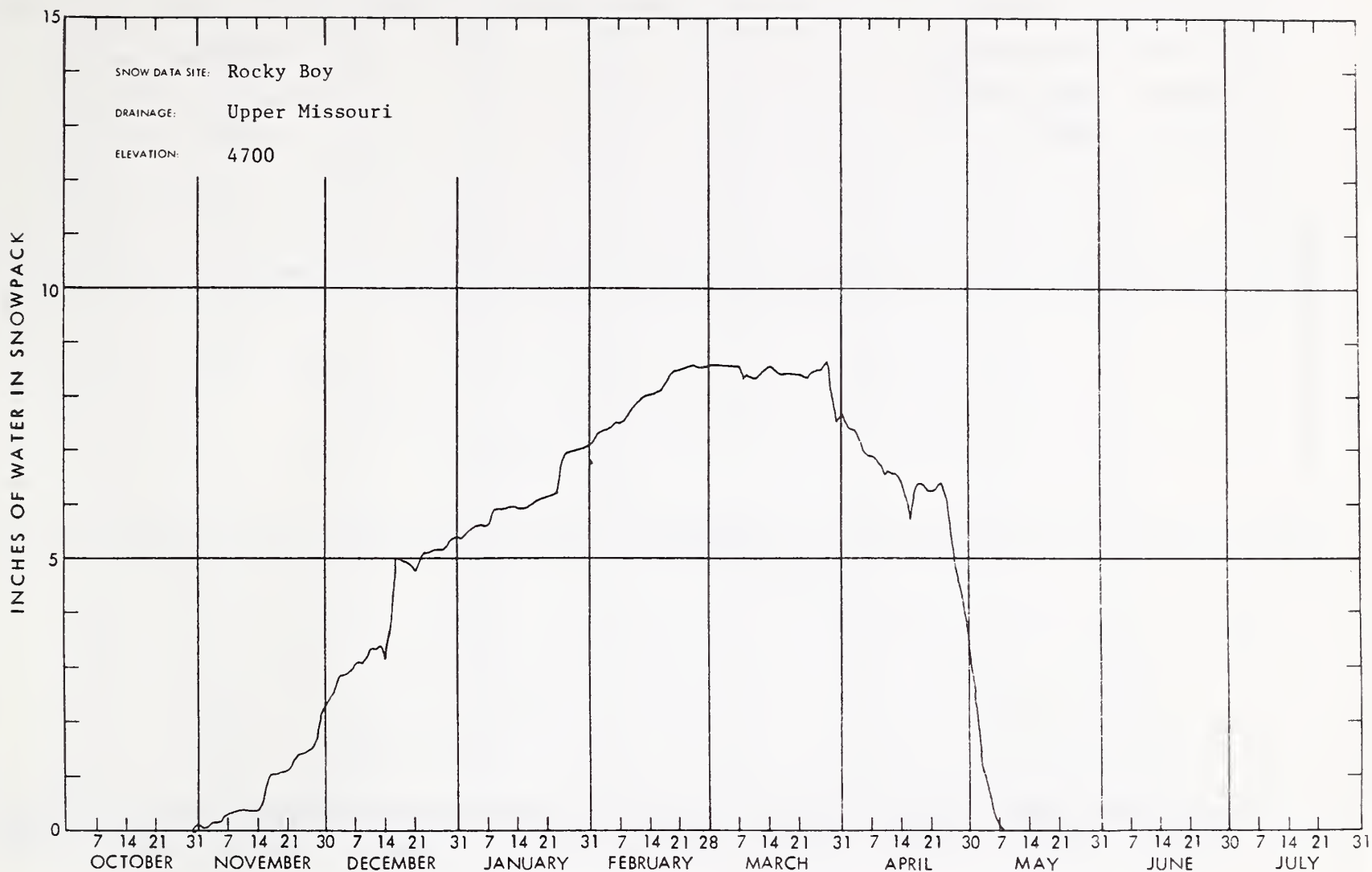


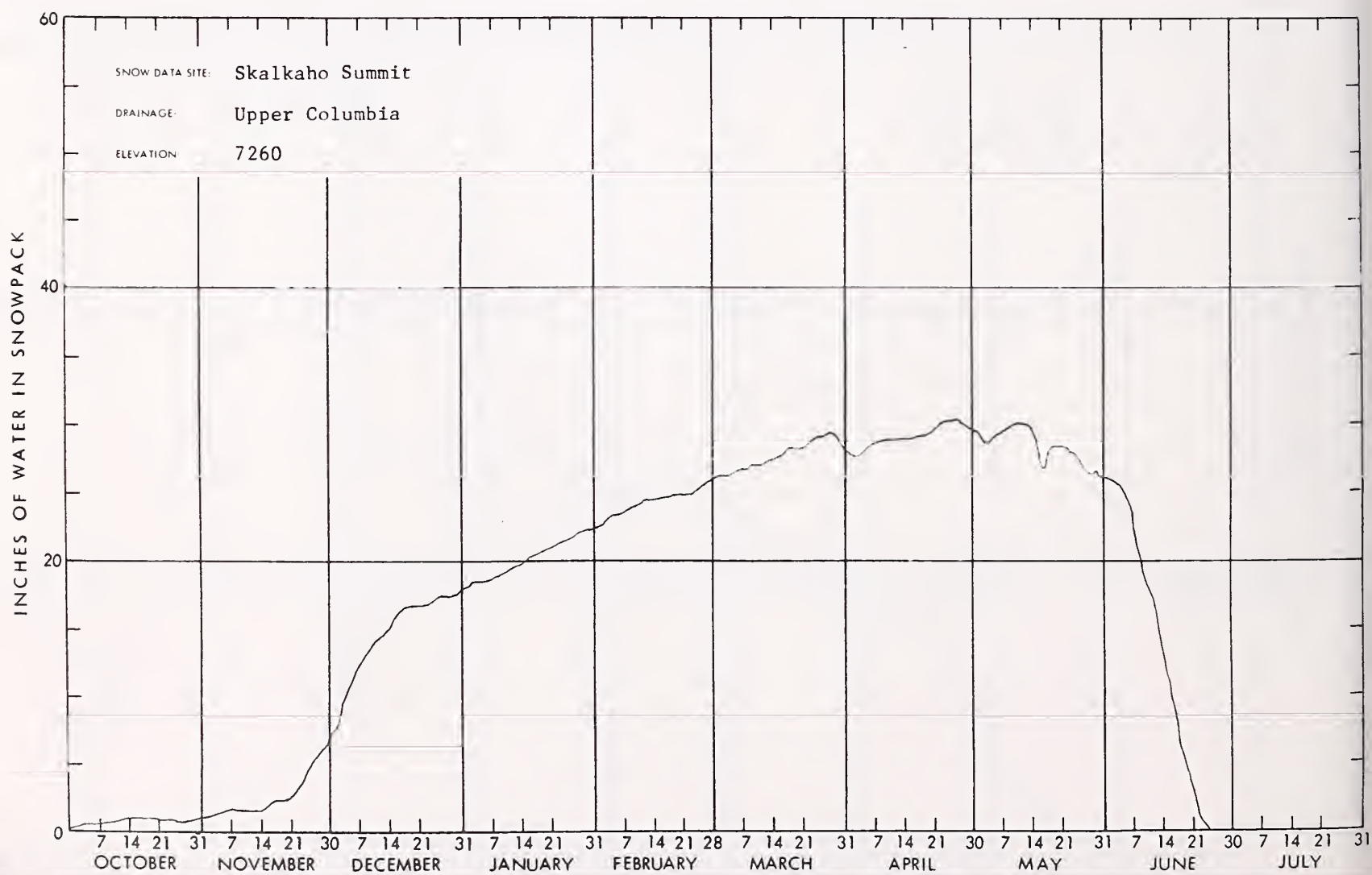
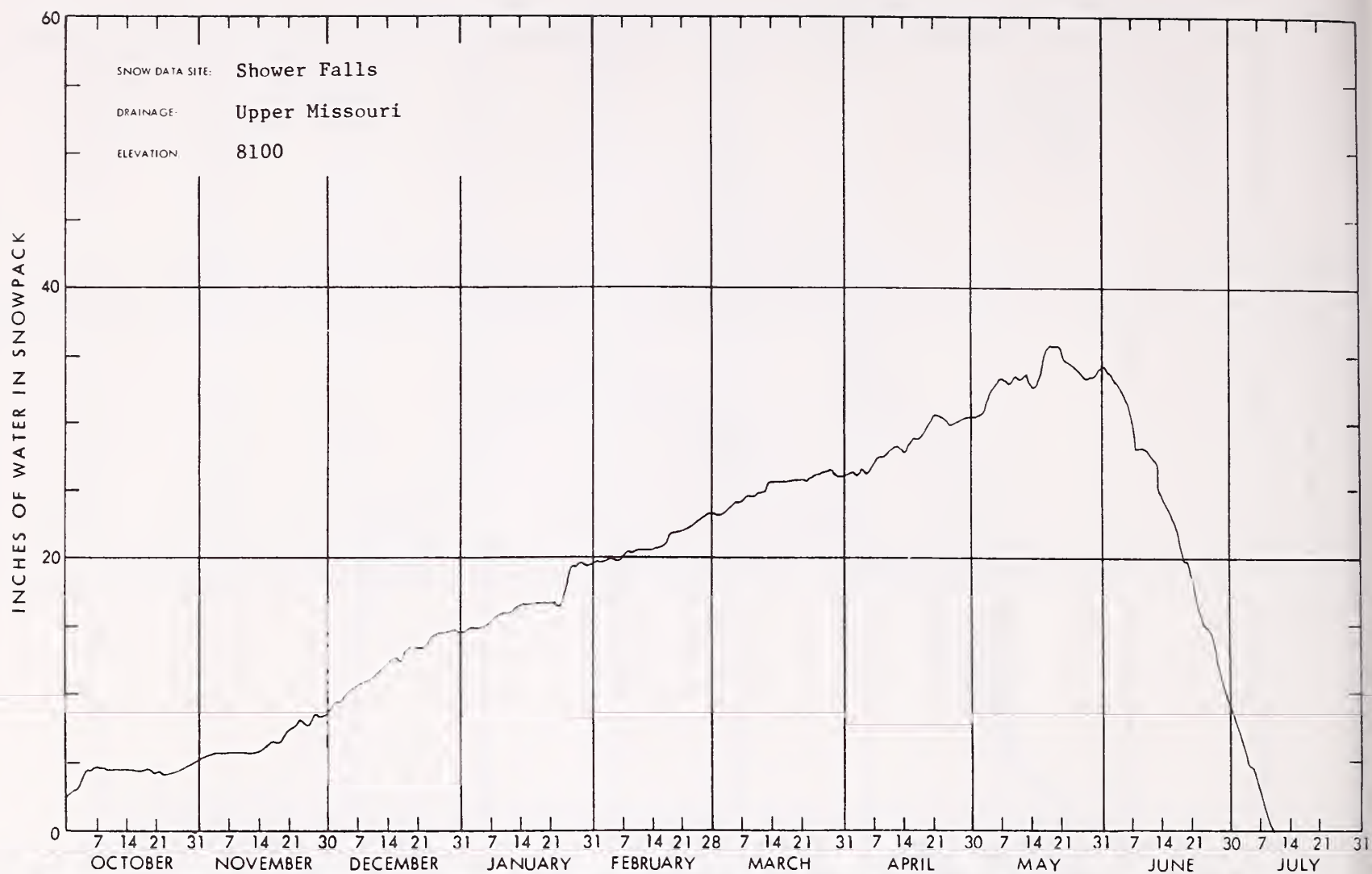


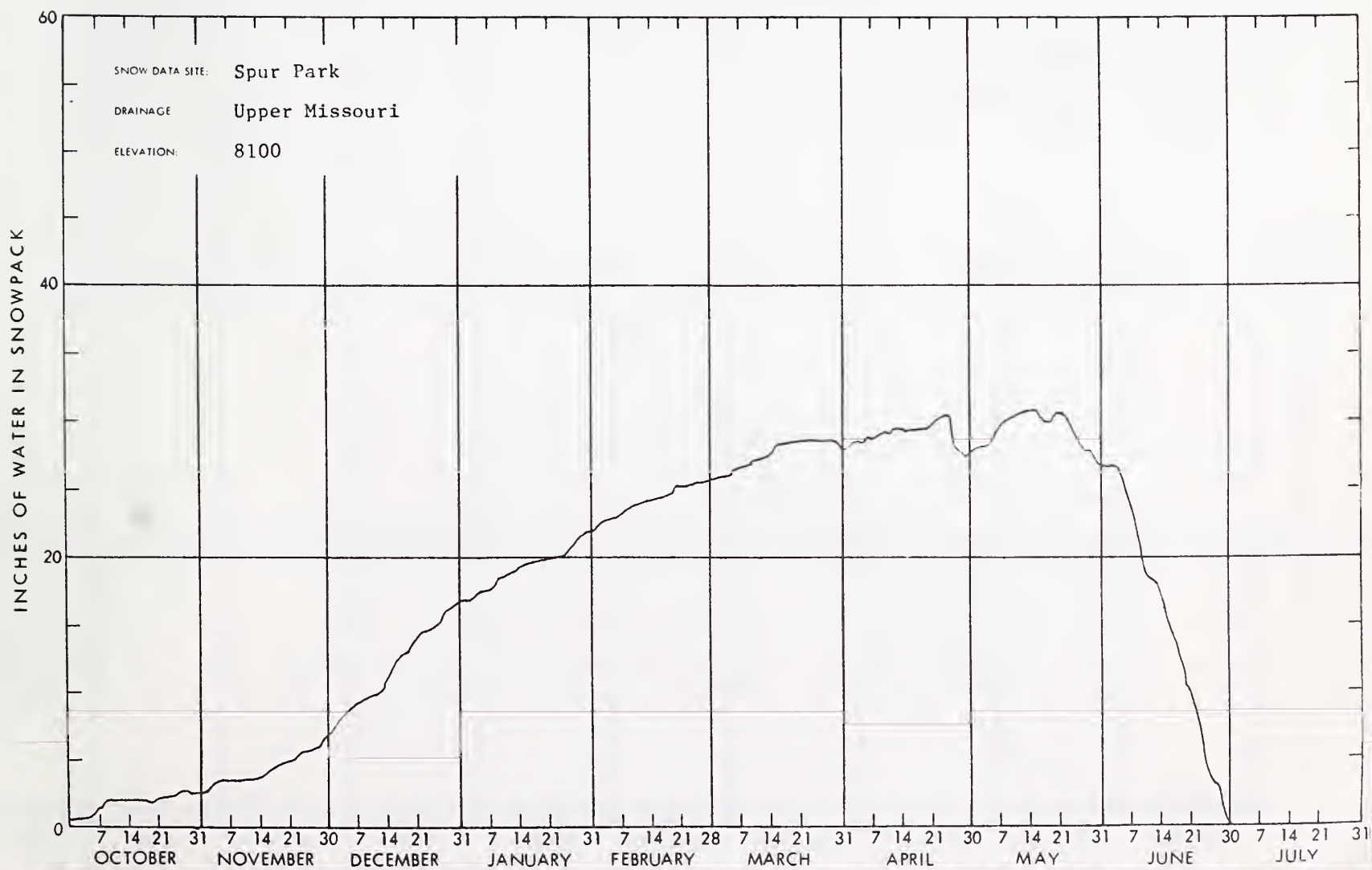
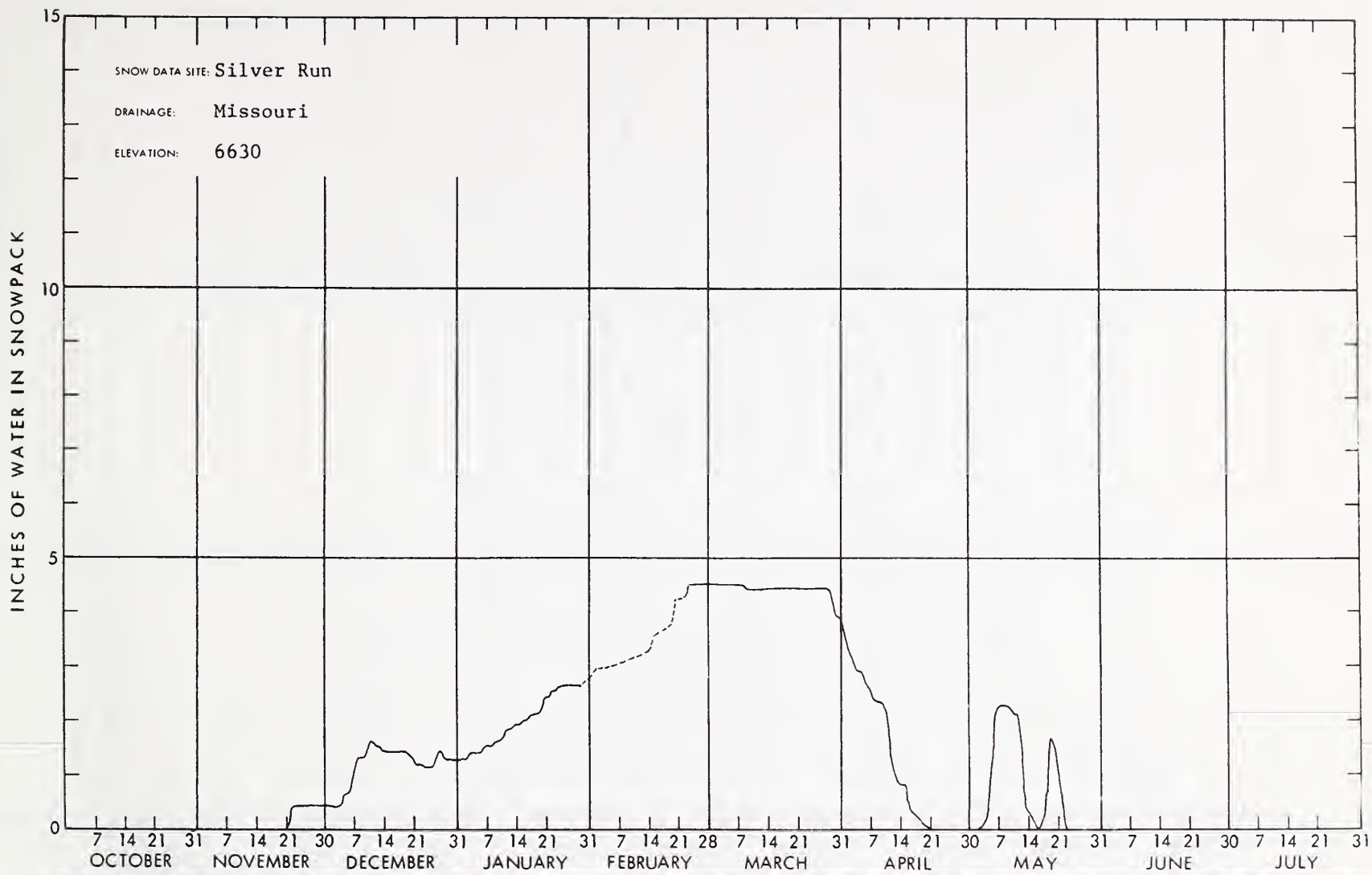


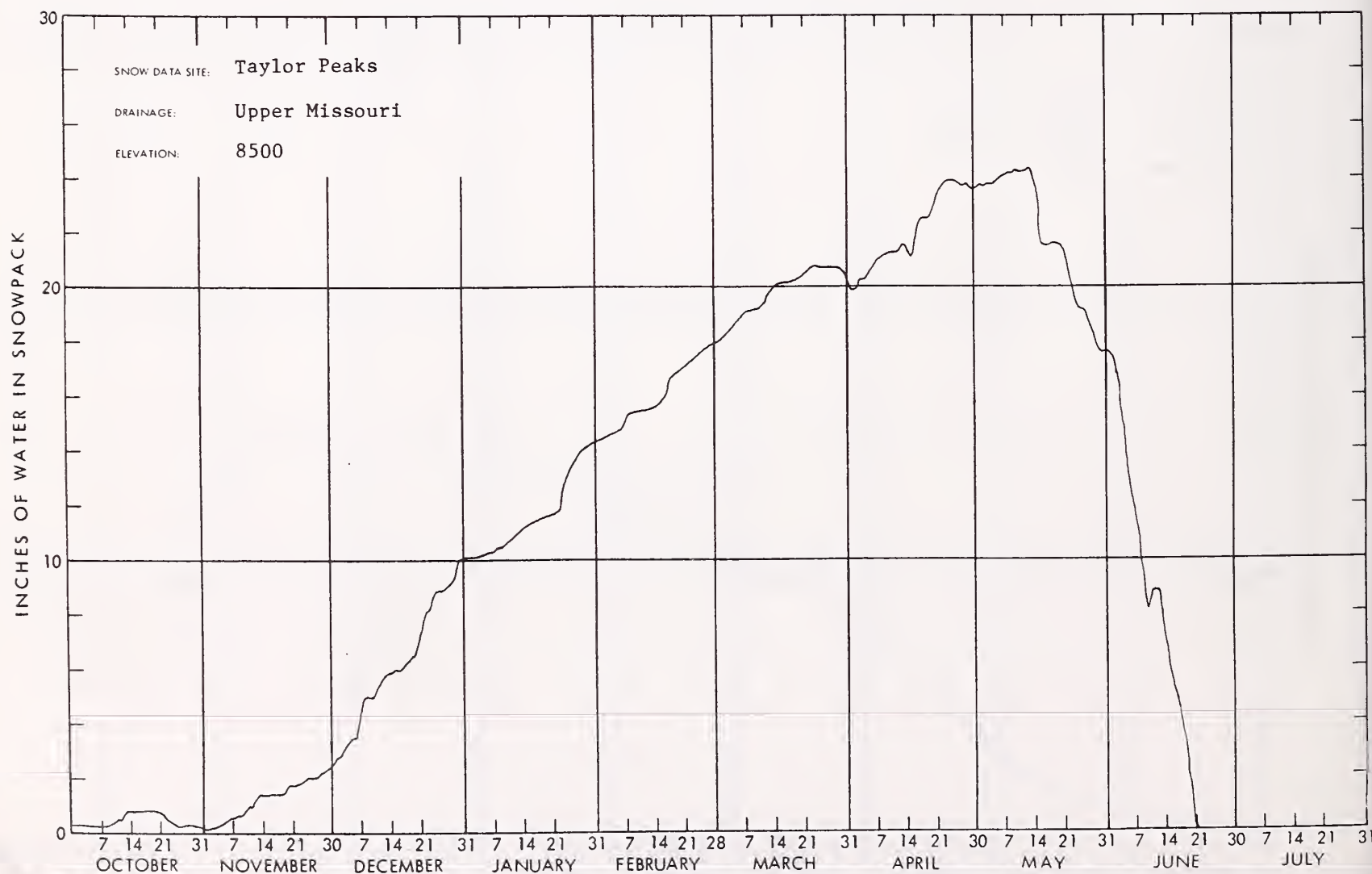
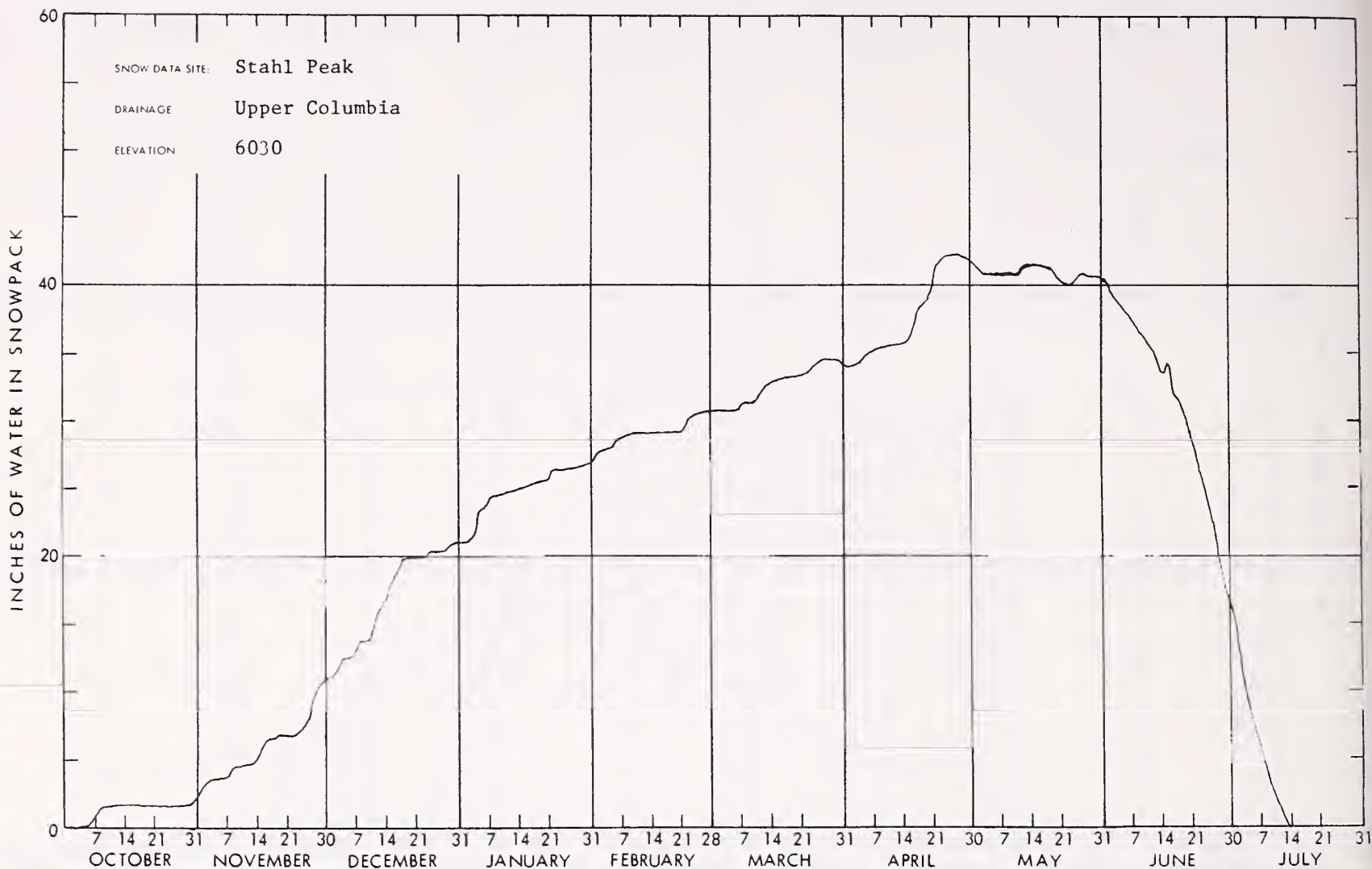


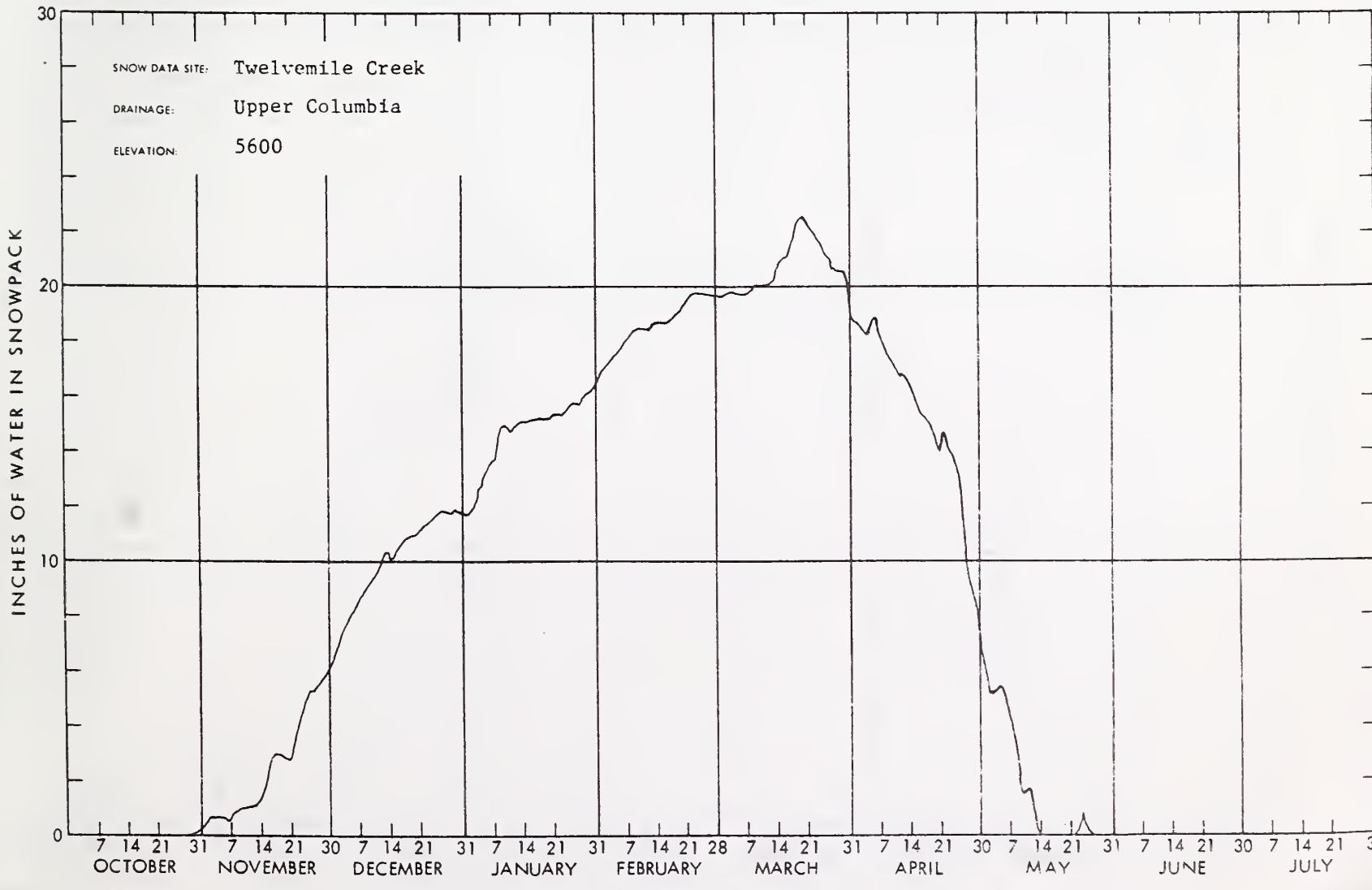
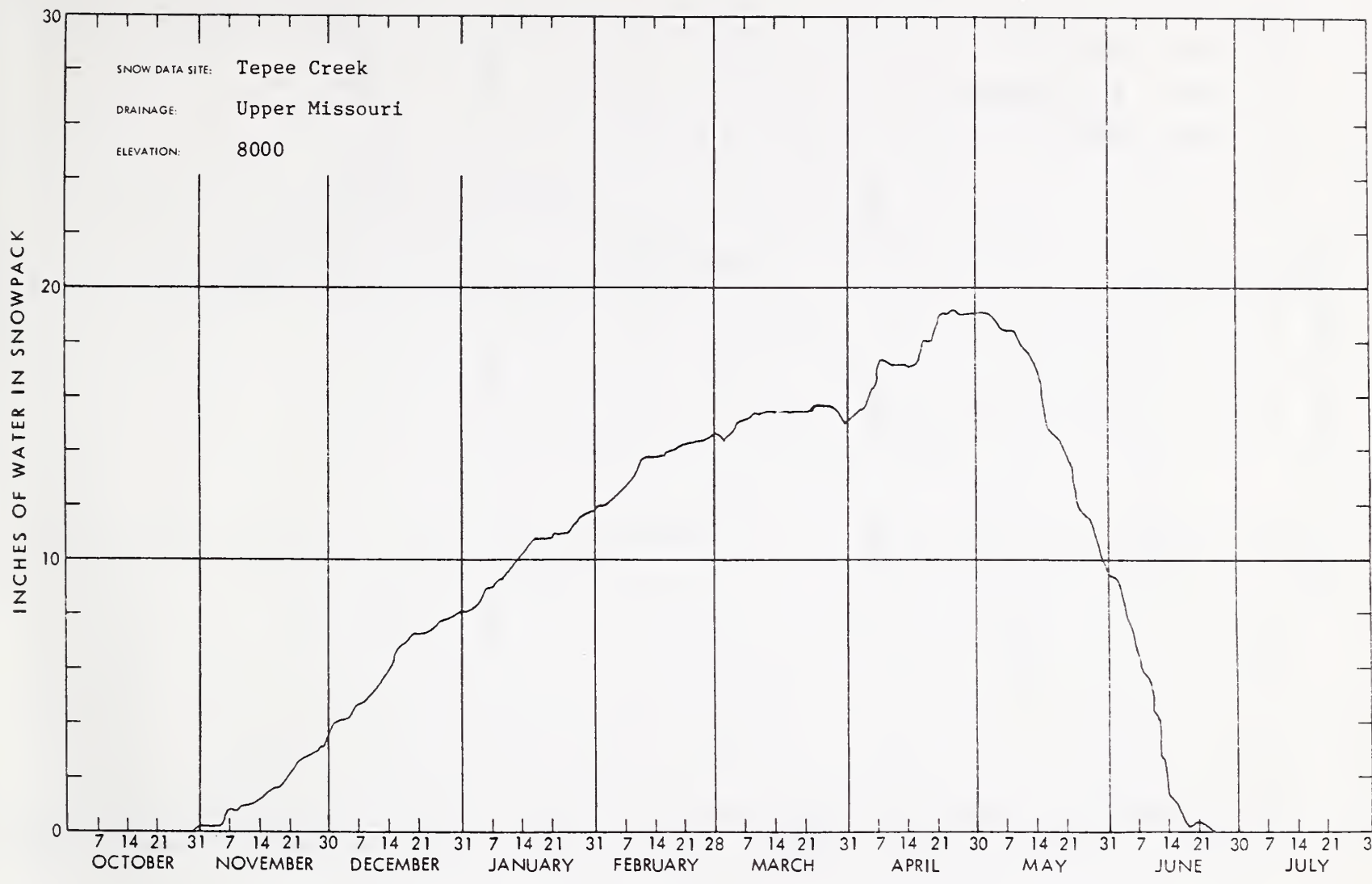


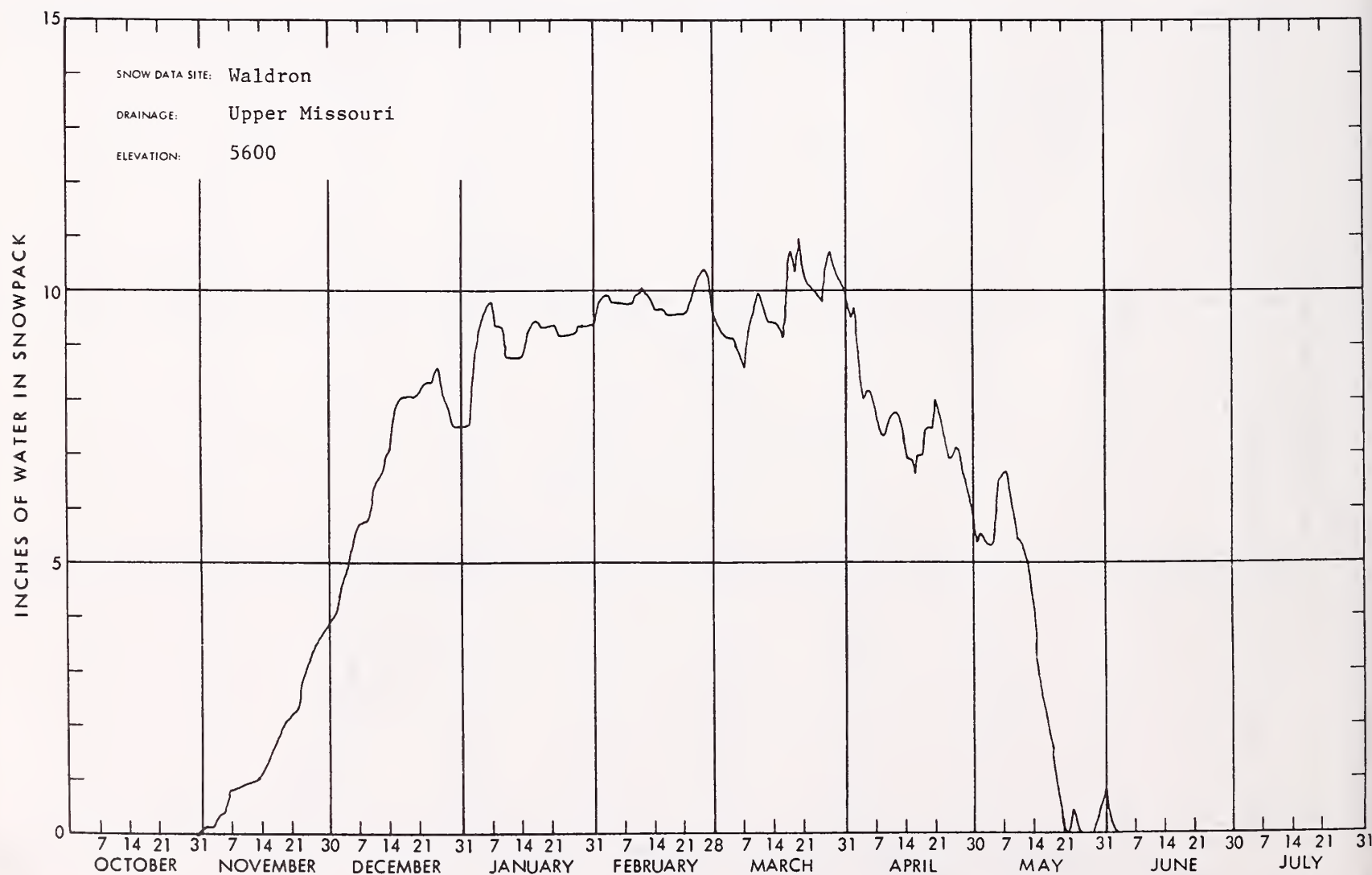
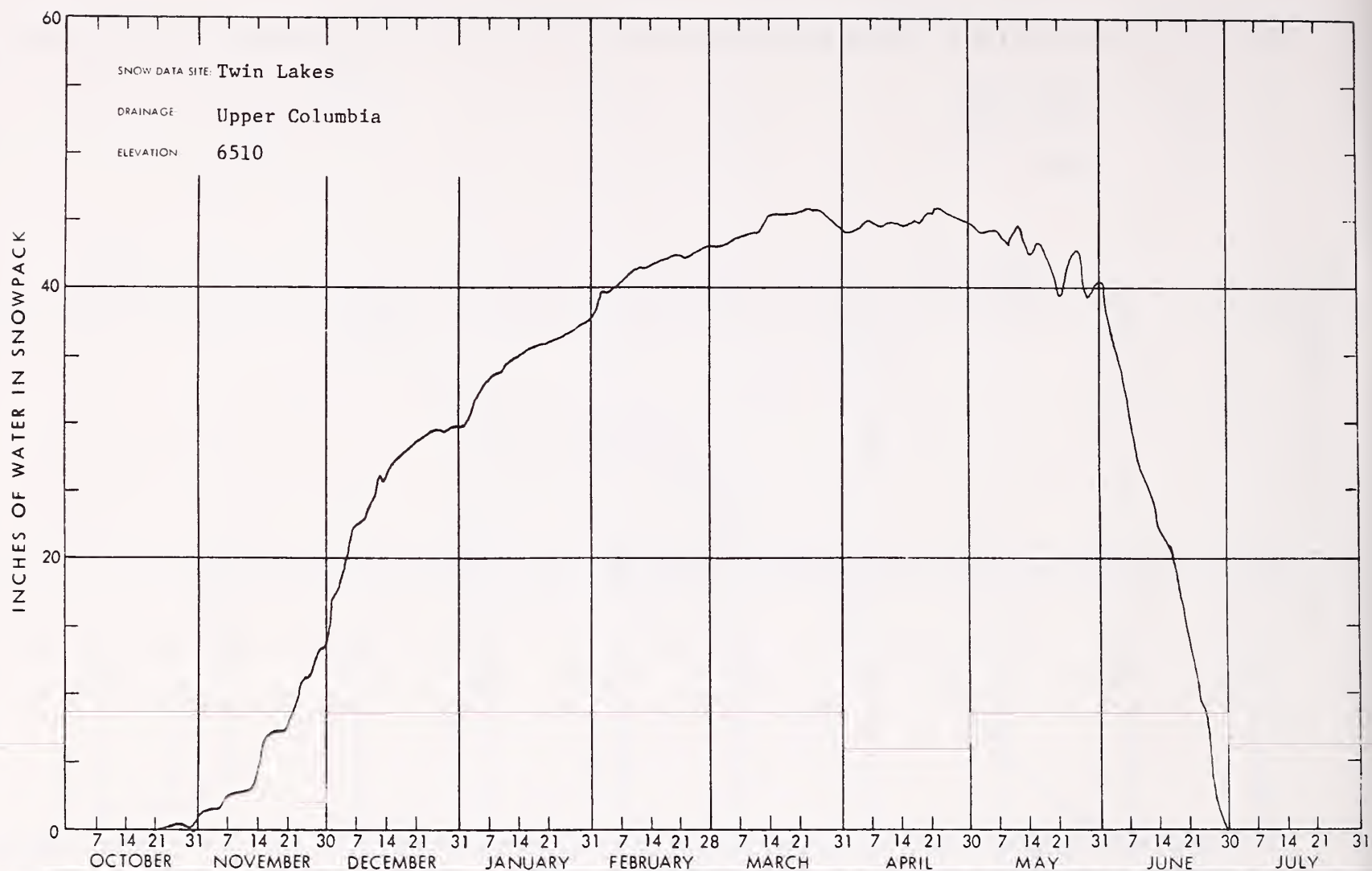


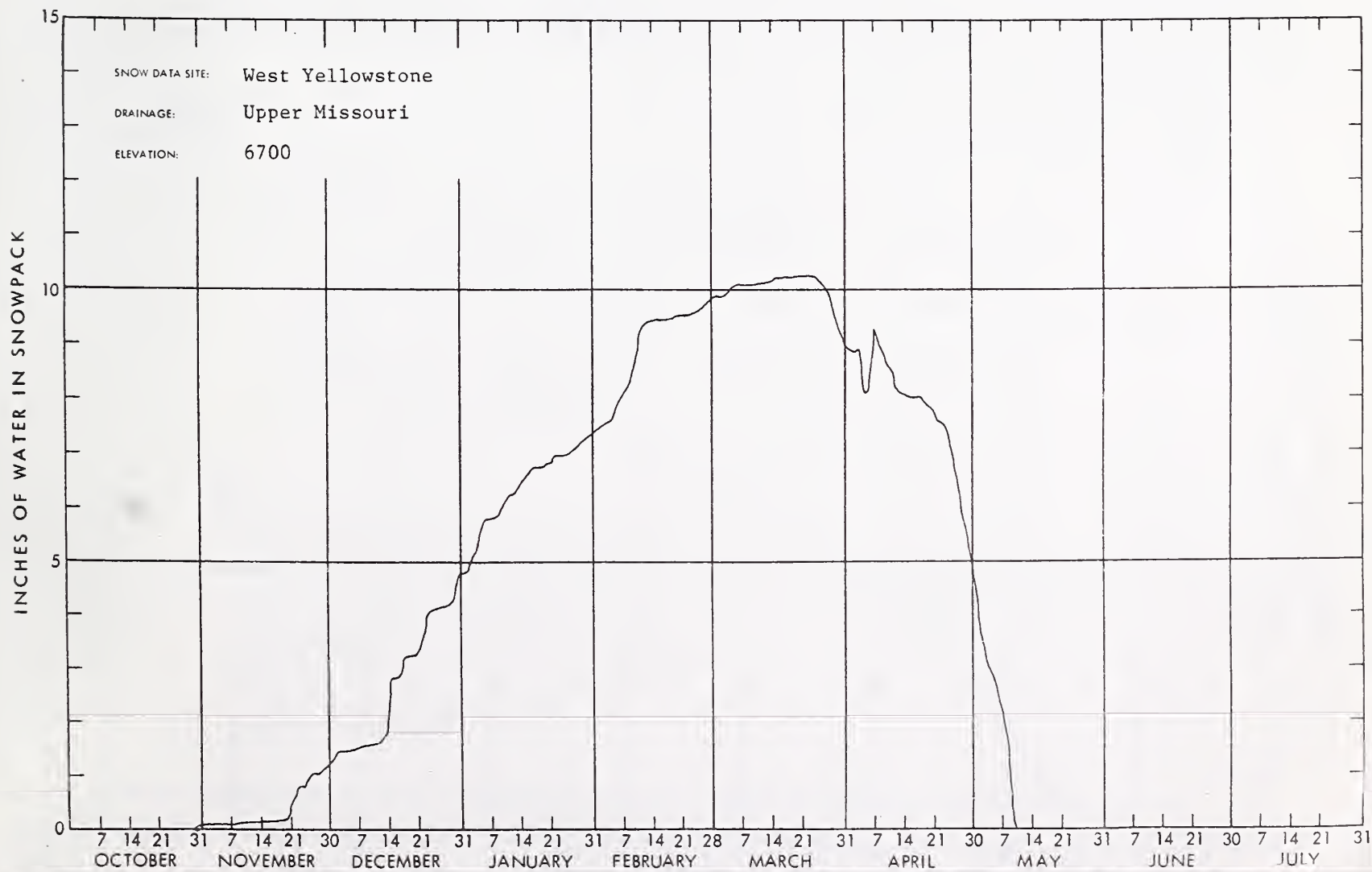
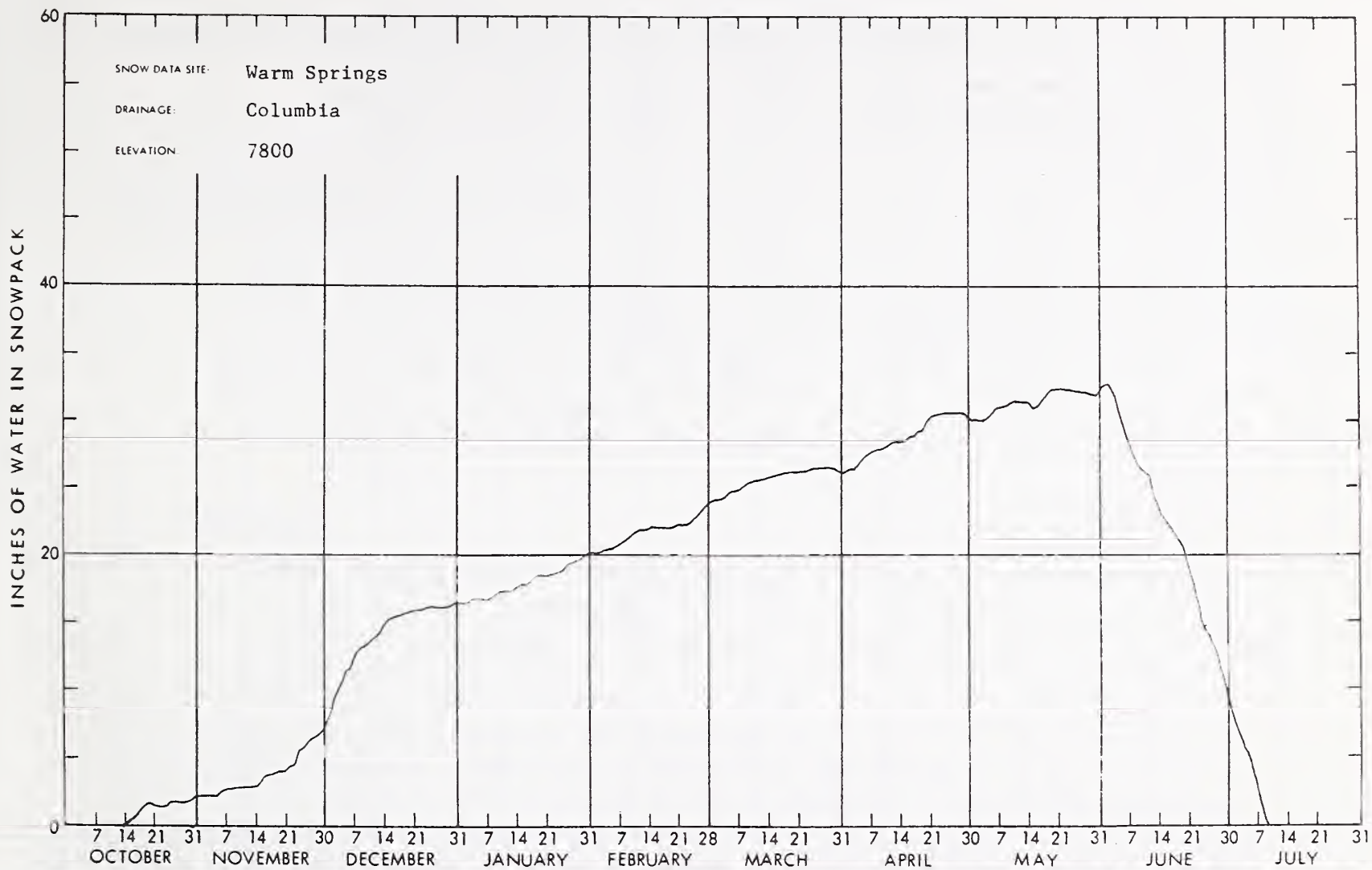


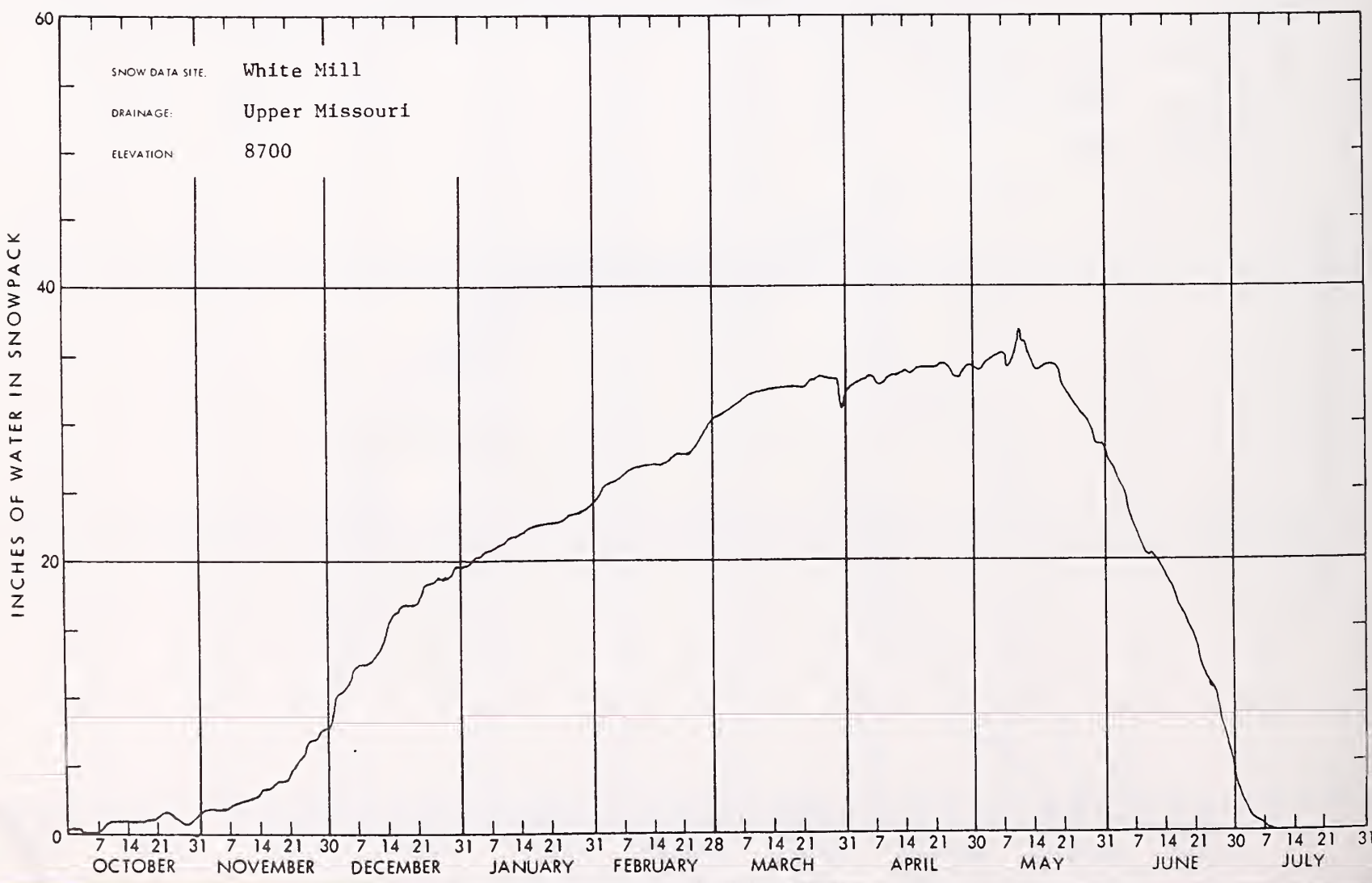
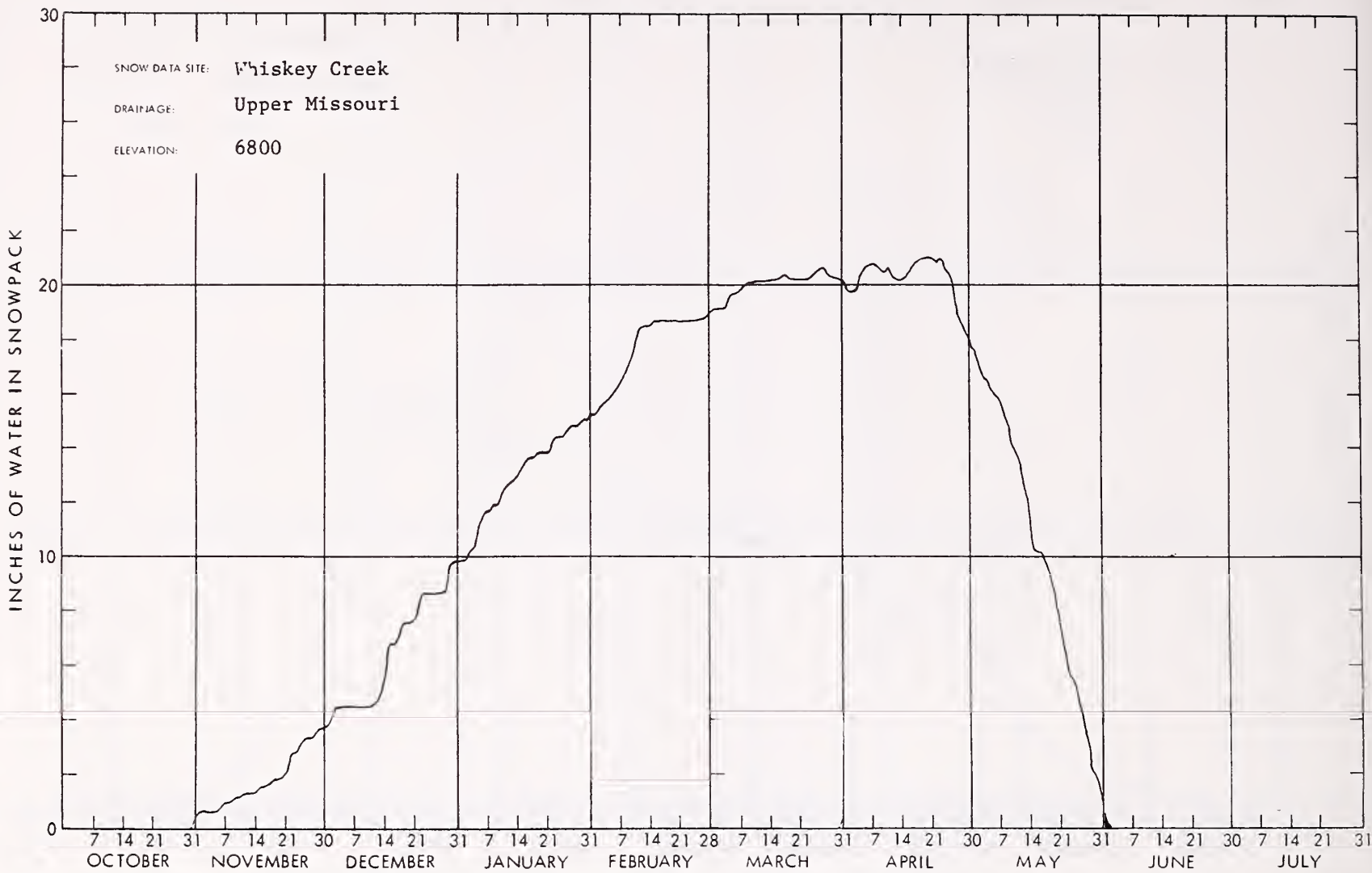












Agencies and Organizations Cooperating in Montana Snow Surveys

GOVERNMENT AGENCIES

CANADA:

Water Survey of Canada, Calgary, Department of the
Environment
Ministry of Environment, Water Investigations Branch,
British Columbia
Alberta Environment, Edmonton, Alberta

FEDERAL:

U. S. Department of the Army
Corps of Engineers
U. S. Department of Agriculture
Forest Service
Soil Conservation Service
U. S. Department of Commerce
NOAA, National Weather Service
NOAA, National Environmental Satellite Service
U. S. Department of Interior
Bonneville Power Administration
Bureau of Indian Affairs
Bureau of Reclamation
Fish and Wildlife Service
Geological Survey
National Park Service

STATE:

Montana Conservation Districts
Montana Department of Fish and Game
Montana Department of Natural Resources and
Conservation
Montana State University - Agricultural Experiment
Station
University of Montana - School of Forestry
DNRC - State Forester

PRIVATE:

Montana Power Company
Butte Water Company
The Anaconda Company
Big Sky of Montana
Jack and Scott Graveley
Arthur Christensen
Jack Fenton

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

P.O. Box 98
BOZEMAN, MONTANA 59715

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*